Form 3160-3 (July 1992)

# **UNITED STATES**

#### SUBMIT IN TRIPLICATE\* (Other instructions on reverse side)

FORM APPROVED OBM NO. 1004-0136 Expires: February 28,1995

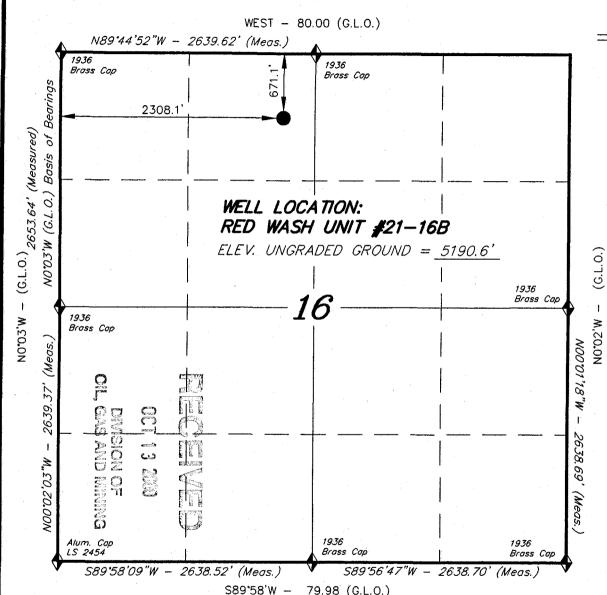
# 5. LEASE DESIGNATION AND SERIAL NO.

**DEPARTMENT OF THE INTERIOR** 

BUREAU OF LAND MANAGE	MENT		
APPLICATION FOR PERMIT TO	O DRILL OR DEEPE	N 6. 1F	INDIAN, ALLOTTEE OR TRIBE NAME
TYPE OF WORK			N/A
DRILL X DEEPEN	ARVICIDENTIA	7. U	NIT AGREEMENT NAME
TYPE OF WELL	CONFIDENTIA		RED WASH UNIT
GAS	SINGLE MULTIPLE	E 8. F/	ARM OR LEASE NAME, WELL NO.
LL X WELL OTHER	ZONE X ZONE		RWU #21-16B
iame of operator ienandoah Energy Inc.		9. A	PI WELL NO.
ADDRESS AND TELEPHONE NO. Phone: 435-781-4341	11002 East 17500 Sout	h	
Fax: 435-781-4329	Vernal, Utah 84078	10. 1	FIELD AND POOL, OR WILDCAT
OCATION OF WELL (Report location clearly and in accordance with	any State requirements.*)		RED WASH - GREEN RIVER
surface	4452742H		
'1.1' FNL, 2308.1' FWL NENW	641899 E		BEC.,T.,R.,M., OR BLK SURVEY OR AREA
tme	WIIVI		SEC.16, T7S, R23E, SLB&M
DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR PO	ST OFFICE"	12.	COUNTY OR PARISH 13.STATE
miles West of Redwash Utah	. <u> </u>	<u></u>	Uintah Utah
DISTANCE FROM PROPOSED* CATION TO NEAREST	16. NO. OF ACRES IN LEASE	17. NO. OF ACRE	
OPERTY OR LEASE LINE, FT.	640	1	40
o to nearest drig. Unit line if any) DISTANCE FROM PROPOSED LOCATION*	19. PROPOSED DEPTH	20. ROTARY OR	CABLE TOOLS
NEAREST WELL, DRILLING, COMPLETED, 1450' ±	5560'		Rotary
APPLIED FOR ON THIS LEASE, FT. ELEVATIONS (Show whether DF, RT, GR, etc.)		122. /	APPROX. DATE WORK WILL START*
מה פי הם			ASAD
roposed casing and cementing program  FER TO 3:9:F Dellas Program Sent A  nandoah Energy Inc. proposes to drill a well to 5560' fi ing will be run and the well completed. If dry, the wel	to test the Green River. If prod	*	A.S.A.P
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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or faudulent statements or representations as to any matter within its jurisdiction.

# T7S, R23E, S.L.B.&M.

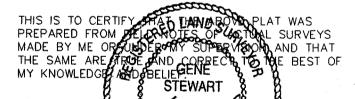


### RED WASH UNIT #21-16B

 $LATITUDE = 40^{\circ} 12' 53.80''$  $LONGITUDE = 109^{\circ} 20' 00.01''$ 

# SHENANDOAH ENERGY, INC.

WELL LOCATION, RED WASH UNIT #21-16B, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 16, T7S, R23E, S.L.B.&M. UINTAH COUNTY, UTAH.



REGISTERED LAND SURVEYOREGISTRATION NO 14-102 STATE OF VINE OF 15

## TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501

SCALE:	1" = 1000'	SURVEYED BY:	D.J.S.
DATE:	10-10-00	WEATHER:	FAIR
DRAWN BY:	J.R.S.	FILE #	

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (RED WASH)

ONSHORE OIL & GAS ORDER NO. 1 Shenandoah Energy Inc. RWU #21-16B

#### DRILLING PROGRAM

# ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

## 1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	Depth	Prod. Phase Anticipated
Uinta	Surface	
Green River	2940'	
Mahogany Ledge	3400'	
Mesa	5421'	
TD (Green River)	5560'	Oil

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth
Oil/Gas	Green River	5575°

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted.

# 3. Anticipated Bottom Hole Pressures

Maximum anticipated bottom hole pressure equals approximately 2330.0 psi.

# 4. Surface Ownership

The well pad and access road are located on lands owned by Shenandoah Energy Inc.

OCT 13 2000

# Lessee's or Operator's Representative:

John Busch Red Wash Operations Rep. Shenandoah Energy Inc. 11002 East 17500 South Vernal, Utah 84078 (435) 781-4341

#### Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Shenandoah Energy Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Shenandoah Energy Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

\_lol\_Busch

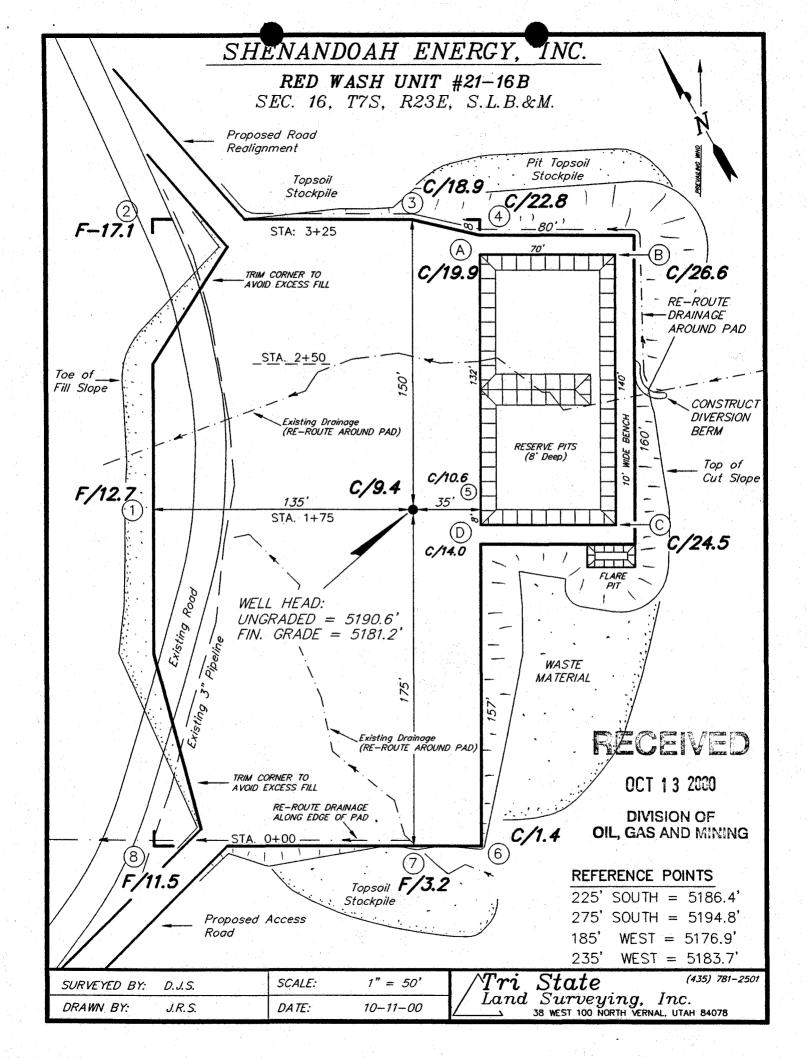
October 12, 2000

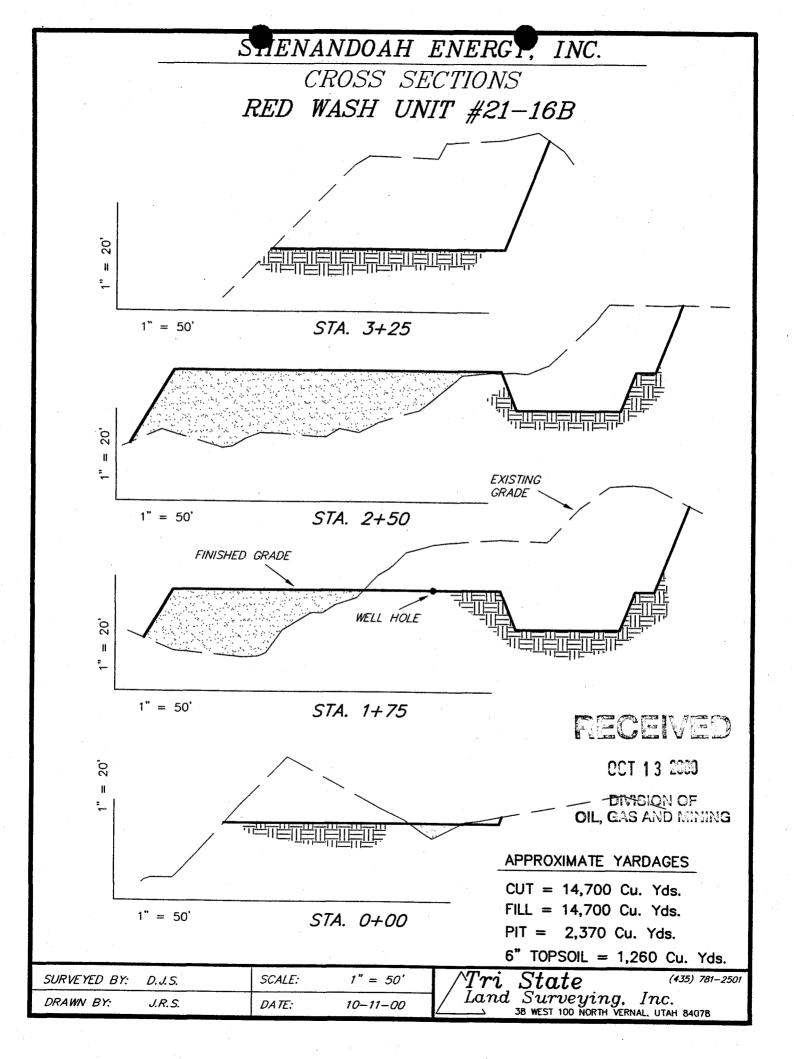
John Busch Red Wash Operations Representative

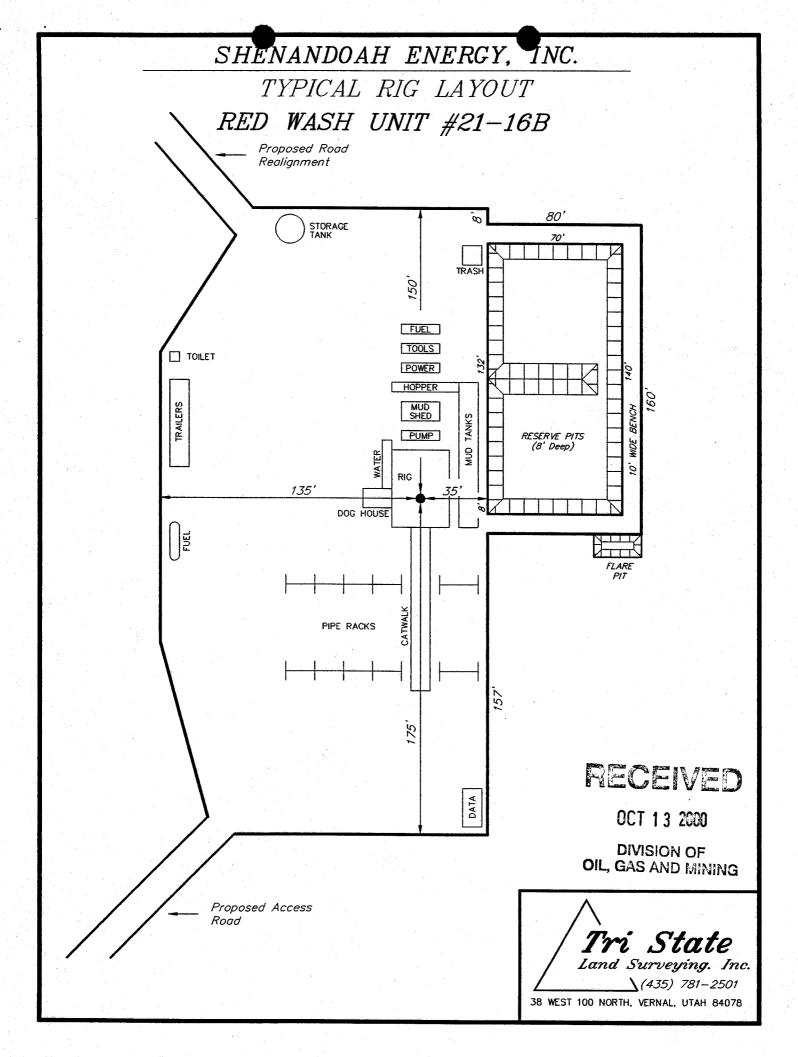
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OCT 13 2000

OIL, GAS AND MINING







Shenandoah Energy Inc. RWU #21-16B

## MULTI-POINT SURFACE USE & OPERATIONS PLAN

SHENANDOAH ENERGY INC. RED WASH UNIT #21-16B NENW, SEC. 16, T7S, R23E UINTAH COUNTY, UTAH

See attached maps

Topo map A- Access routes

Topo map B- Proposed Access road

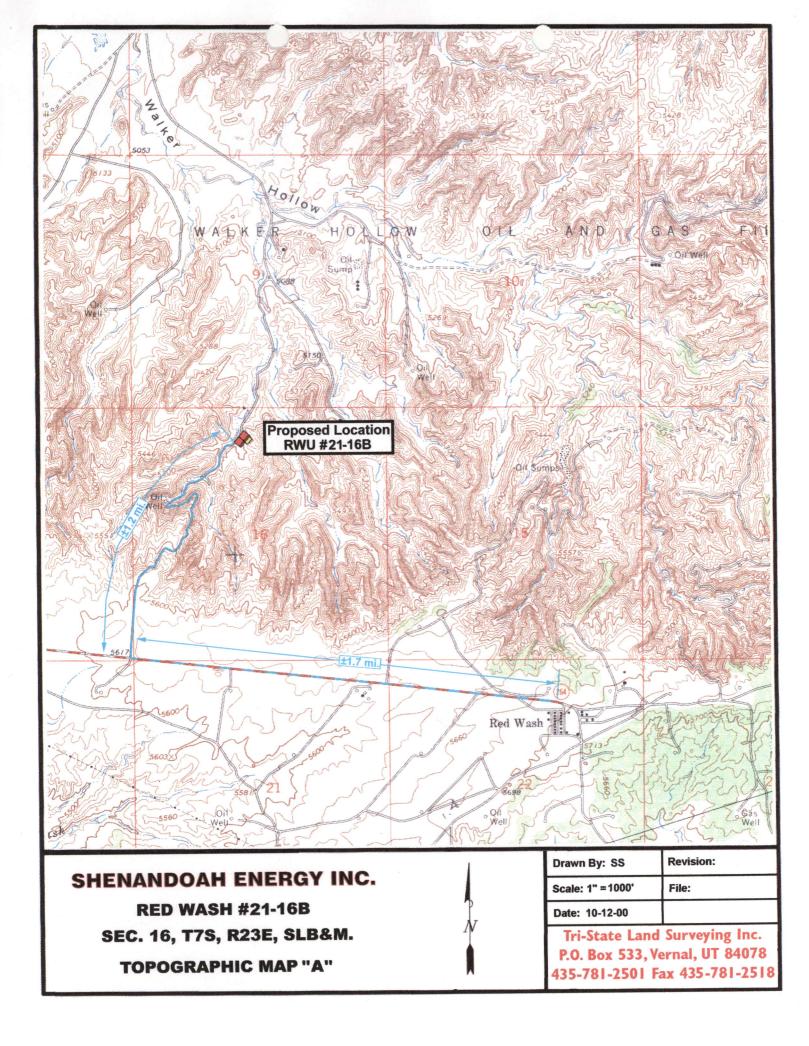
Topo map C- Location of wells within a one mile radius

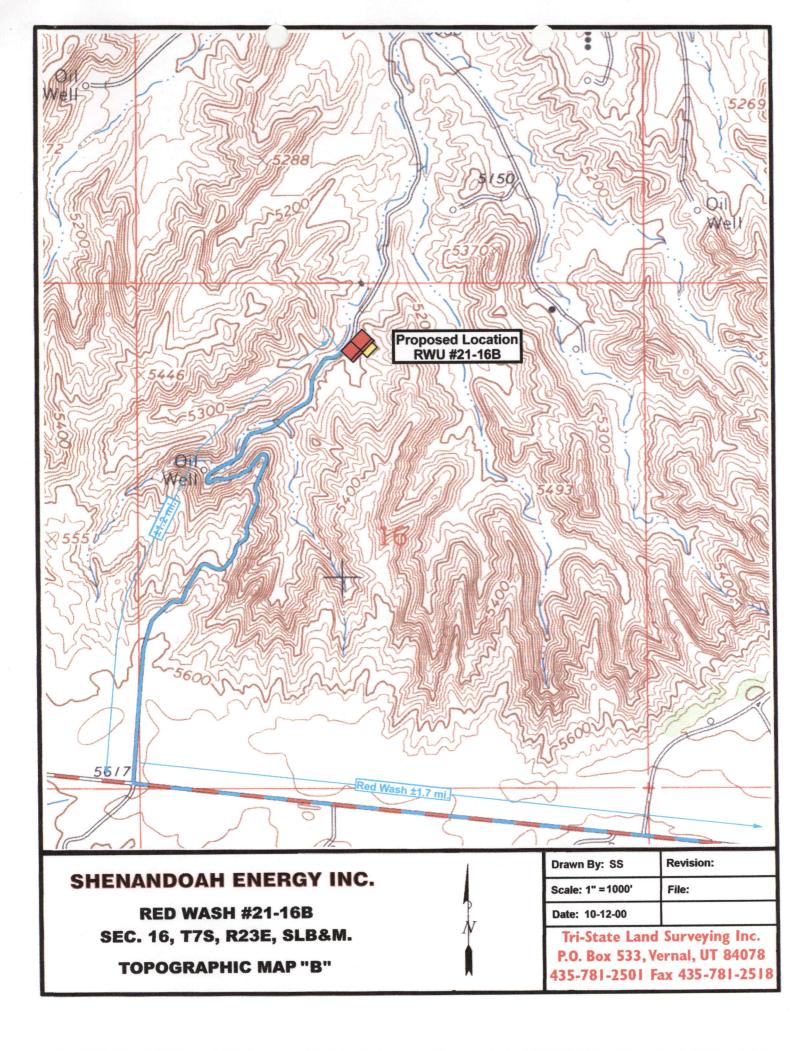
Topo map D- Proposed pipeline

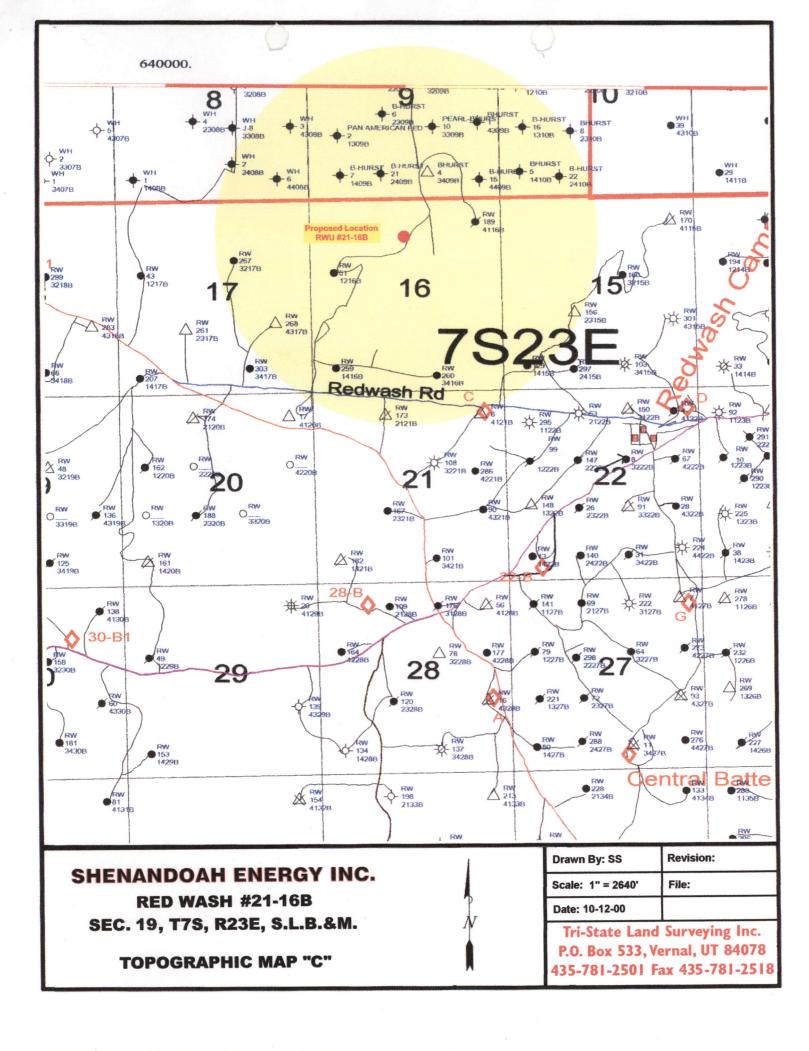
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OCT 13 2000

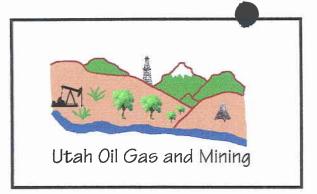
DIVISION OF OIL, GAS AND MINING







APD RECEIVED: 10/13/2000	API NO. ASSIGN	ED: 43-047-3373	4
WELL NAME: RWU 21-16B OPERATOR: SHENANDOAH ENERGY INC ( N4235 ) CONTACT: JOHN BUSCH	PHONE NUMBER: 4	35-781-4341	
PROPOSED LOCATION:  NENW 16 070S 230E  SURFACE: 0671 FNL 2308 FWL  BOTTOM: 0671 FNL 2308 FWL  UINTAH  RED WASH (665)  LEASE TYPE: 3-State  LEASE NUMBER: ML-3037  SURFACE OWNER: 4-Fee X Shenendoch Energy  PROPOSED FORMATION: GRRV	INSPECT LOCATN  Tech Review  Engineering  Geology  Surface	I BY: / / Initials	Date 4/15/03
RECEIVED AND/OR REVIEWED:  Plat  Bond: Fed[] Ind[] Sta[3] Fee[]  (No. U89758059 15926/960 04127294  Potash (Y/N)  Noil Shale (Y/N) *190 - 5 (B)  Water Permit  (No. 43-8496  NRDCC Review (Y/N)  (Date:  NA Fee Surf Agreement (Y/N) *Shanandoan Energy	R649-2-3. R649-3-2. Siting:  R649-3-3. Drilling United Board Cause Eff Date: Siting:  R649-3-11.	Unit <u>La Was</u> General  Exception  it e No: 187-0	7
COMMENTS: Red wish Sof, separate file Need Presite STATEMENT OF	1(02-20-03) Basis		



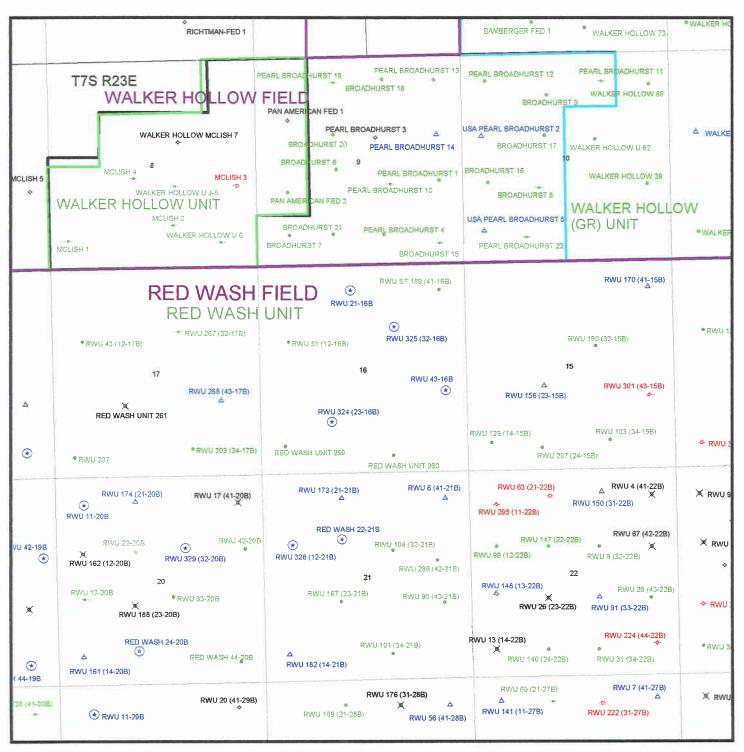
OPERATOR: SHENANDOAH ENERGY (N4235)

FIELD: RED WASH (665)

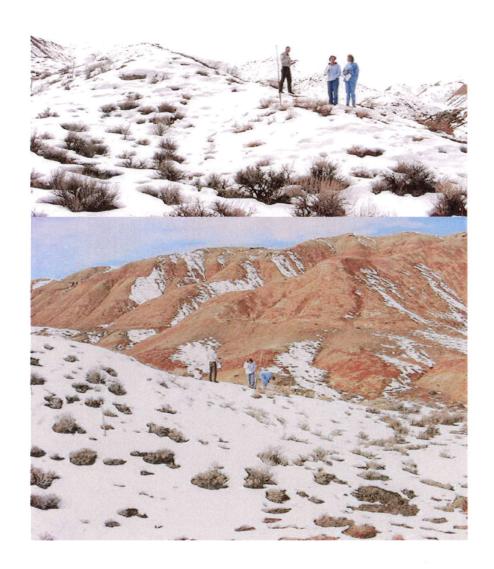
SEC. 16 T7S, R23E,

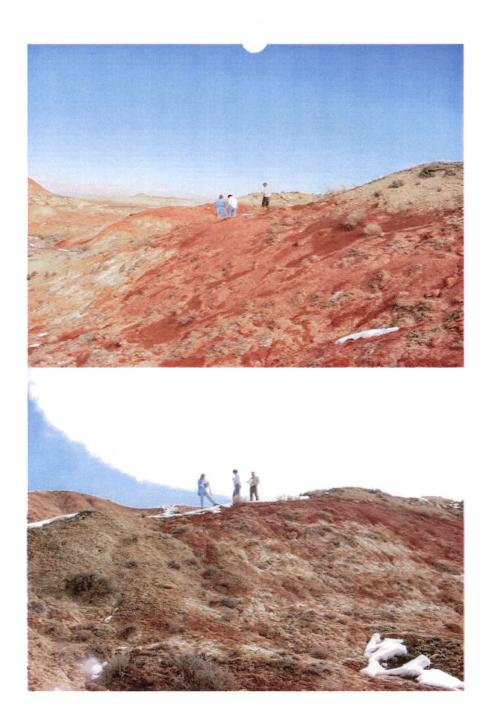
COUNTY: UINTAH UNIT: RED WASH

SPACING: R649-3-3/EX LOC



PREPARED BY: LCORDOVA DATE: 23-OCTOBER-2000





# DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR: SHENANDOAH ENERGY, INC.	
WELL NAME & NUMBER: RWU 21-16B	,
API NUMBER: 43-047-33734	•
LOCATION: 1/4,1/4 NE/NW Sec: 16 TWP: 7S RNG: 23E 2308' FWL	671' FNL

#### **Geology/Ground Water:**

Shenandoah proposes to set 450' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5,400'. A search of Division of Water Rights records shows 25 water wells within a 10,000 foot radius of the center of section 16. These wells are owned by Chevron their use is listed as "other". The depth of these wells ranges from 5469-5915 feet and are probably water supply wells for the Red Wash secondary recovery project. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

Reviewer: Brad Hill Date: 02/24/2003	
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#### Surface:

The predrill investigation of the surface was performed on 2/20/03. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 2/13/03 .Mr. Bartlett was present. He had no concerns regarding the construction of this location or the drilling of this well. This site on a very steep slope, and there are numerous sandstone outcroppings in the area. Reserve pit stakes are missing, but reserve pit must be constructed east of wellbore. Raylene Searle with Shenandoah stated that site would probably be re-surveyed before location construction began. This site is in a very rugged area with extremely steep sided, narrow dry watercourses draining primarily to the north. Two existing drainages cross this site and both must be re-routed with a diversion berm around the north edge of location. Ms. Searle agreed to this.

Reviewer: David W. Hackford Date: 2/20/2003

# **Conditions of Approval/Application for Permit to Drill:**

- 1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
- 2. Reserve pit must be constructed east of wellbore.
- 3. Existing drainages crossing site must be re-routed to the north.

# ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR:	SHENANDOAH ENERGY, INC.	
WELL NAME & NUMBER: RWU	21-16B	
<b>API NUMBER:</b> 43-047-33734		
<b>LEASE:</b> ML-3037 <b>F</b>		
<b>LOCATION: 1/4,1/4</b> NE/NW	<u>/ Sec: 16 TWP: 7S RNG: 23E 2308' FWL 671' F</u>	FNL

**LEGAL WELL SITING:** 460' from unit boundary.

GPS COORD (UTM): 4452724N 641899E SURFACE OWNER: STATE OF UTAH

#### **PARTICIPANTS**

<u>DAVID W. HACKFORD (DOGM), JAN NELSON, RAYLENE SEARLE, (SHENANDOAH).</u>
<u>FLOYD BARTLETT (DWR).</u>

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS TWO MILES NORTHWEST OF REDWASH, UTAH , ON A VERY STEEP HILL SIDE. THIS SLOPE ENDS 135' TO THE WEST WHERE A DRY WATERCOURSE RUNS TO THE NORTH. TWO VERY SHARP SECONDARY DRAWS CROSS THIS SITE RUNNING TO THE WEST. THIS ENTIRE AREA IS EXTREMELY STEEP AND RUGGED.

#### SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 250'. ACCESS ROAD ALREADY EXISTS.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: <u>ALL PRODUCTION</u> FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. AN EXISTING PIPELINE ALREADY CROSSES THIS SITE.

SOURCE OF CONSTRUCTION MATERIAL: <u>ALL MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION</u>.

ANCILLARY FACILITIES: EMULSION FROM THIS WELL WILL BE PIPELINED TO RED WASH CENTERAL BATTERY.

#### WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, BLACK SAGE, SHADSCALE, GREASEWOOD, PRICKLY PEAR: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: <u>LIGHT BROWN SANDY CLAY WITH STREAKS OF LIGHT RED CLAY.</u>

EROSION/SEDIMENTATION/STABILITY: SEDIMENTATION SHOULD NOT BE A PROBLEM, BUT EROSION AND STABILITY COULD VERY WELL CAUSE THE LOSS OF DRILLING PAD OR RESERVE PIT IF EXISTING DRAINAGES AREN'T RE-ROUTED AROUND LOCATION.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

#### RESERVE PIT

CHARACTERISTICS: 160' BY 80' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WITH A FELT SUB-LINER WILL BE REQUIRED FOR RESERVE PIT.

#### SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: <u>SITE WAS INSPECTED BY JOHN SENILUS WITH SENCO-PHENIX ARCHAEOLOGY. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.</u>

#### OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A SUNNY DAY WITH PARTIAL SNOW COVER.

#### **ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD DOGM REPRESENTATIVE

<u>2/20/03. 11:00 AM</u> DATE/TIME

# Evaluation Ranking Criteria and Ranking Sere For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200 75 to 100	5 10	
25 to 75	15	
<25 or recharge area	20	5
Distance to Surf. Water (feet)		
>1000 300 to 1000	0 2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	_
<500	20	0
Distance to Other Wells (feet)		
>1320 300 to 1320	0 10	
<300	20	0
	20	
Native Soil Type	0	
Low permeability Mod. permeability	0 10	
High permeability	20	20
Fluid Type Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of	20	_
hazardous constituents	20	5
Drill Cuttings		
Normal Rock Salt or detrimental	0 10	0
Said of declimental	10	0
Annual Precipitation (inches) <10	٥	
10 to 20	0 5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility		
Conduits Not Present	0	
Unknown	10	
Present	15	0

Final Score 30 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

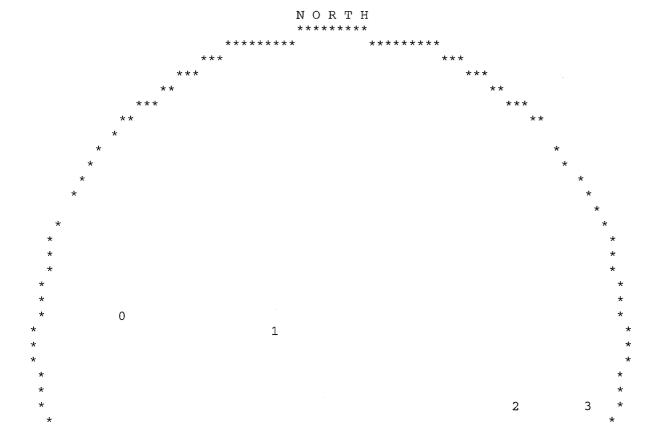
Sensitivity Level II = 15-19; lining is discretionary.

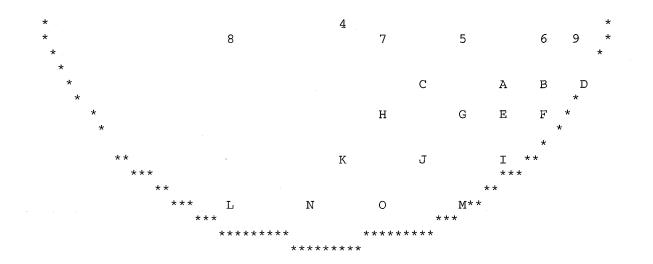
Sensitivity Level III = below 15; no specific lining is required.

# UTAH DIVISION OF WATER RIGHTS WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, FEB 24, 2003, 1:37 PM PLOT SHOWS LOCATION OF 25 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT FEET, FEET OF THE CT CORNER, SECTION 16 TOWNSHIP 7S RANGE 23E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





# UTAH DIVISION OF WATER RIGHTS NWPLAT POINT OF DIVERSION LOCATION PROGRAM

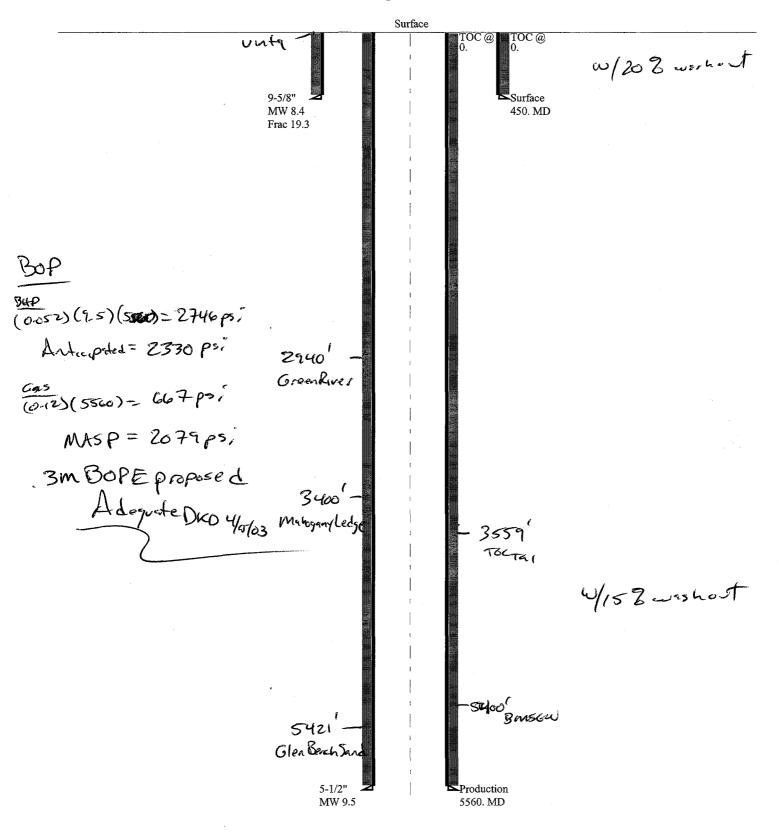
MAP CHAI		WATER RIGHT	QUANTITY CFS AND/OR	AC-FT	SOURCE DE DIAMETER	SCRIPTION 0: DEPTH	r WELL INF YEAR LOG	O NOR		NT C EAS		ÆRSI CNR		ESCRIP'	rion RNG	B&
0	49		1.0000 WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5915 11002 East	17500 Sou		3406	E	766		17 RITY ernal	7S DATE:	23E 04/18	
1	<u>49</u>		1.0000 WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5469 11002 East	17500 Sou		1980	E	735		16 RITY ernal	7S DATE:	23E 04/18	
2	<u>49</u>		1.0000 WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5720 11002 East	17500 Sou	N th	739	W	1615		15 RITY ernal	7S DATE:	23E 04/18	-

3	49	231 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5772 11002 East 17500	N South		E 732	SW 14 7S 23E S PRIORITY DATE: 04/18/1 Vernal
4	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5634 11002 East 17500	S South		W 1980	NE 21 7S 23E S PRIORITY DATE: 04/18/1 Vernal
5	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5745 11002 East 17500	S South		E 1980	NW 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
6	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5750 11002 East 17500		660 1	√ 660	NE 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
7	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5674 11002 East 17500	S South	660 1	√ 660	NE 21 7S 23E S PRIORITY DATE: 04/18/1 Vernal
8	49	229 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5710 11002 East 17500	S South		√ 660	NE 20 7S 23E S PRIORITY DATE: 04/18/1 Vernal
9	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5860 11002 East 17500			561	NW 23 7S 23E S PRIORITY DATE: 04/18/1 Vernal
Α	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5732 11002 East 17500			v 1980	NE 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
В	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5800 11002 East 17500		1980 v	v 660	NE 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
С	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5766 11002 East 17500				NW 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
D	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5696 11002 East 17500		1980 I	E 660	NW 23 7S 23E S PRIORITY DATE: 04/18/1 Vernal

E	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5767 11002 East 1750				SE 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
F	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5687 11002 East 1750			W 660	SE 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
G	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5865 11002 East 1750				SW 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
Н	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5830 11002 East 1750				SE 21 7S 23E S PRIORITY DATE: 04/18/1 Vernal
I	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5665 11002 East 1750				SE 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
J	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5744 11002 East 1750				SW 22 7S 23E S PRIORITY DATE: 04/18/1 Vernal
K	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5680 11002 East 17500		660	W 1980	SE 21 7S 23E S PRIORITY DATE: 04/18/1 Vernal
L	49	229 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5784 11002 East 17500	S 0 South			NE 29 7S 23E S PRIORITY DATE: 04/18/1 Vernal
М	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5688 11002 East 17500				NW 27 7S 23E S PRIORITY DATE: 04/18/1 Vernal
N	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5735 11002 East 17500			E 1980	NW 28 7S 23E S PRIORITY DATE: 04/18/1 Vernal
0	49	230 1.0000  WATER USE(S): OTHER Chevron U.S.A. Inc.	.00	7	5834 11002 East 17500			√ 660	NE 28 7S 23E S PRIORITY DATE: 04/18/1 Vernal

# 03-03 Shenandoah RWU 2016E

Casing Schematic



Well name:

03-03 Shenandoah RWU 21-16B

Operator:

Shenandoah Energy Inc.

String type:

Surface

Project ID:

Location:

**Uintah County** 

43-047-33734

Design parameters:

Collapse

Mud weight:

8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

1.125

**Environment:** H2S considered?

Surface temperature:

65 °F 71 °F

No

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft

Minimum section length:

450 ft

**Burst:** 

Design factor

1.00

Cement top:

Surface

**Burst** 

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

0 psi

0.494 psi/ft **Tension:** 8 Round STC:

222 psi

Body yield:

8 Round LTC:

**Buttress:** 1.60 (J) Premium: 1.50 (J)

1.50 (B)

1.80 (J)

1.80 (J)

Tension is based on air weight. Neutral point:

Re subsequent strings:

Non-directional string.

Next setting depth: 5,560 ft Next mud weight:

9.500 ppg Next setting BHP: 2,744 psi Fracture mud wt: 19.250 ppg

Fracture depth: Injection pressure 700 ft 700 psi

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	450	9.625	36.00	J-55	LT&C	450	450	8.796	32
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(Kips)	(Kips)	Factor
1	196	2020	10.29	222	3520	15.85	16	453	2 <u>7.96</u> J

Prepared

Dustin K. Doucet

by: Utah Dept. of Natural Resources

Phone: 801-538-5281 FAX: 801-359-3940

Date: April 15,2003 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

03-03 Shenandoah RWU 21-16B

Operator:

Shenandoah Energy Inc.

String type:

Production

Design is based on evacuated pipe.

Project ID: 43-047-33734

Location:

Collapse

**Uintah County** 

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:** 

H2S considered? Surface temperature: No 65 °F

Bottom hole temperature: Temperature gradient:

129 °F 1.15 °F/100ft

Minimum section length: 1,500 ft

**Burst:** 

Design factor

1.00

1.80 (J)

Cement top:

Surface

**Burst** 

Max anticipated surface

pressure: Internal gradient:

Calculated BHP

**Design parameters:** 

Mud weight:

0 psi

9.500 ppg

0.494-psi/ft 2,744 psi

Tension:

8 Round STC: 8 Round LTC: **Buttress:** 

1.60 (J) Premium: 1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight.

Non-directional string. 1.80 (J)

No backup mud specified.

Neutral point:

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	5560	5.5	14.00	K-55	ST&C	5560	5560	4.887	155.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2744	3120	1.14	2744	4270	1.56	78	189	2.43 J

Prepared

Dustin K. Doucet

by: Utah Dept. of Natural Resources Phone: 801-538-5281 FAX: 801-359-3940

Date: April 15,2003 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# SHENANDOAH ENERGY INC.

11002 East 17500 South Vernal, UT 84078 Phone: (435) 781-4300 Fax (435) 781-4329

October 27, 2000

Division of Oil, Gas & Mining 1594 W. N. Temple STE 1210 Salt Lake City, UT 84114-5801

To Whom It May Concern:

Shenandoah Energy Inc. Red Wash Unit #21-16B is an exception location due to severe topography. This lease #(ML-3037) is under the Red Wash Unit Agreement and all owners are committed under the Unit Agreement.

There are no additional lease owners within 460' of this proposed well. If you have any question please contact Raleen Searle @ (435) 781-4309.

Thank you,

Raleen Searle

Administrative Assistant

Callen Searle

REGEVED

OCT 3 0 2000

DIVISION OF OIL, GAS AND MINING

# United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

October 27, 2000

#### Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2000 Plan of Development Red Wash, Uintah

County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2000 within the Red Wash Unit, Uintah County, Utah.

Api Number Well Location (Proposed Wasatch Completions) 43-047-33730 RWU 21W-36A Sec. 36, T7S, R22E 0175 FNL 1980 FWL \*

43-047-33737 RWU 13-36A Sec. 36, T7S, R22E 1335 FSL 0787 FWL \*

#### (Proposed Green River Completions)

43-047-33731 RWU 21G-36A Sec. 36, T7S, R22E 0175 FNL 2055 FWL \*
43-047-33732 RWU 41-36A Sec. 36, T7S, R22E 0277 FNL 0449 FEL
43-047-33733 RWU 43-16B Sec. 16, T7S, R23E 2082 FSL 0518 FEL
43-047-33734 RWU 21-16B Sec. 16, T7S, R23E 0671 FNL 2308 FWL
43-047-33736 RWU 11-36A Sec. 36, T7S, R22E 1212 FNL 0601 FWL \*

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Red Wash Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-27-2000

<sup>\*</sup> Wells currently not within an exisiting participating area.

# SHENANDOAH ENERGY INC.

11002 East 17500 South Vernal, Utah 84078-8526 (435) 781-4000 Fax (435) 781-4329

April 10, 2003

Division of Oil, Gas & Mining 1594 W. North Temple, STE 1210 Salt Lake City, UT 84114-5801

Attention: Dustin Ducet

Dear Dustin:

The enclosed are copies of the revised Drilling Programs for the two Red Wash APD's (RWU 21-16B & RWU 43-16B) submitted to your office in October of 2000. Also enclosed is an additional BOPE diagram that you requested for the OU GB 15G-16-8-22.

Sorry for the inconvenience please call if you any additional information.

Thank you,

Raleen Searle

Regulatory Affairs Analyst

**Enclosures** 

**RECEIVED** 

APR 1 4 2003

DIV. OF OIL, GAS & MINING

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

#### 1. Formation Tops

The estimated tops of important geologic markers are as follows:

Formation	Depth	Prod. Phase Anticipated
Uinta	Surface	
Green River	2940'	
Mahogany Ledge	3400'	
Glen Bench Sand	5421'	
TD (Wasatch)	5560'	Oil

# 2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth	
Oil/Gas	Green River	5560'	

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the State of Utah form OGC-8-X is acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right #36125 or where possible a fresh water line (poly pipe) will be laid in the access road to each location to supply fresh water for drilling purposes.

### 3. Surface Ownership

The well pad and access road are located on lands owned by the Shenandoah Energy Inc.

## 4. Operator's Specification for Pressure Control Equipment:

- A. 3,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing whichever is less. Tests shall be done at the time of installation, prior to drilling out and weekly. All tests shall be for a period of 15 minutes

5. Casing Program

J. Casii	Depth Depth	Hole Size	Csg Size	Type	Weight
Surface	450'	12-1/4"	9-5/8"	J-55	36lb/ft (new)
Production	5560'	7-7/8"	5-1/2"	K-55	15.5lb/ft (new)

## 6. Auxiliary Equipment

- A. Kelly Cock yes
- B. Float at the bit no
- C. Monitoring equipment on the mud system visually
- D. Full opening safety valve on the rig floor yes
- E. Rotating Head yes

  If determined to drill with air the following will be used:
- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.

- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.
- 7. Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

- 8. Testing, logging and coring program
  - A. Cores none anticipated
  - B. DST none anticipated

Logging – Mud logging – 4500 to TD GR-SP-Induction Neutron Density MRI

C. Formation and Completion Interval: Green River interval, final determination of completion will be made by analysis of logs.
 Stimulation – Stimulation will be designed for the particular area of interest as encountered.

## 9. Cementing Program

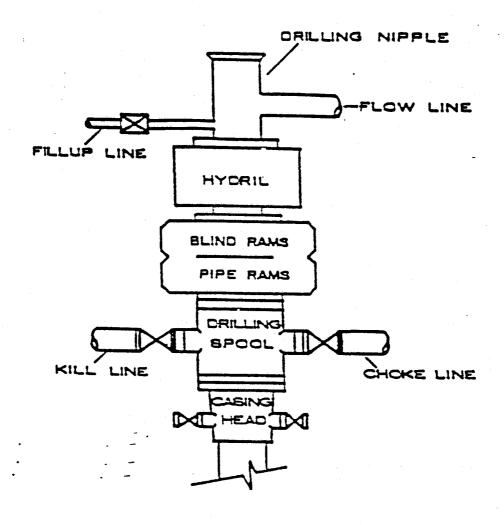
Casing	Volume	Type & Additives
Surface	257 sx	Premium Plus single slurry mixed to 15.6 ppg, yield = 1.18 cf/sx. Fill to surface with 160 cf (257 sx) calculated. Tail plug used. Allowed to set under pressure
Production	474 sx* Lead 452 sx* Tail	Lead/Tail oilfield type cement circulated in place. Tail slurry: Extended Class "G" + gilsonite and additives as required, mixed to 14.35 ppg, yield = 1.25 cf/sx. Fill to 3625' (±300' above top of Lower Glen Bench Sand). Cement Characteristics: Lead slurry: Extended, Lite, Hi-fill + extender and additives as required, mixed to 11.0 ppg, yield = 3.81 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

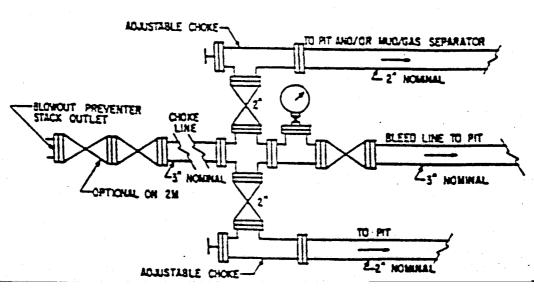
<sup>\*</sup>Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

# 10. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2330.0 psi. Maximum anticipated bottom hole temperature is 140° F.

# SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK





# Cement Calculations V2 x-rg (3jul01)

RWU 21-16B

Interval	wo factor	hole dia	csg dia	cf/f	yield	sxs/ft	feet	sxs		Surface	450 (surface csg)
Surf Csg	1.2	12.25	9.625	0.673	1.18	0.571	450	257			
Lead1	1.2	9.625	4.5	0.617	3.81	0.162	450	73			
Lead2	1.2	7.875	4.5	0.377	3.81	0.099	4060	401	<b>&gt;</b>		
Tail	1.2	7.875	4.5	0.377	1.25	0.301	1500	452		Fead	
	surf csg	257	sxs								
	total lead	474	sxs								4060 (top of tail)
	total tail	452	SXS								
	total	1183	sxs						1	覆	
									22.718.17 22.718.17		

5560 (total depth)



Michael O. Leavitt Governor

Robert L. Morgan Executive Director Lowell P. Braxton Division Director PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

April 16, 2003

Shenandoah Energy Inc. 11002 E. 17500 S. Vernal, UT 84078

Re:

Red Wash Unit 21-16B Well, 671' FNL, 2308' FWL, NE NW, Sec. 16, T. 7 South,

R. 23 East, Unitah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33734.

Sincerely,

John R. Baza

Associate Director

Til Steint

pab Enclosures

cc:

Unitah County Assessor

**SITLA** 

Bureau of Land Management, Vernal District Office



Operator:	Shenandoah Energy Inc.	
Well Name & Number	Red Wash Unit 21-16B	
API Number:	43-047-33734	
Lease:	ML-3037	
Location: NE NW Sec.	16 <b>T.</b> 7 South <b>R.</b> 23 East	

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

24 hours prior to cementing or testing casing

- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, 4. historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- Compliance with the Conditions of Approval/Application for Permit to Drill outlined in 5. the Statement of Basis. (Copy Attached)



### United States Department of the Interior

#### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

IN REPLY REFER TO UT-922

June 9, 2003

QEP Uinta Basin, Inc. 1050 17<sup>th</sup> Street, Suite 500 Denver, Colorado 80265

Re:

Red Wash Unit Uintah County, Utah

#### Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed it name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Red Wash Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

#### Enclosure

bcc:

Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining Minerals Adjudication Group

File - Red Wash Unit (w/enclosure)

Agr. Sec. Chron Fluid Chron

UT922:TAThompson:tt:6/9/03

#### *OPERATOR CHANGE WORKSHEET*

### 005

WELL(S)

Change of Operator (Well Sold)

# ROUTING 1. GLH 2. CDW 3. FILE

Designation of Agent/Operator

Merger

#### X Operator Name Change

The operator of the well(s) listed below has changed, effective:	**************************************	2/1/2003
FROM: (Old Operator):	TO: (New	Operator):
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526	N2460-QEF 1100	P Uinta Basin Inc 02 E 17500 S nal, UT 84078-8526
Phone: (435) 781-4341	Phone:	(435) 781-4341
CA No.	Unit:	RED WASH UNIT

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RWU 21W-36A	36	070S	220E	4304733730		State	GW	APD	C
RWU 21G-36A	36	070S		4304733731		State	ow	APD	C
RWU 41-36A	36	070S	220E	4304733732		State	ow	APD	C
RWU 43-16B	16	-	-	4304733733		State	OW	APD	C
RWU 21-16B	16			4304733734		State	OW	APD	C
RWU 11-36A	36		<u> </u>	4304733736		State	OW	APD	C
RWU 13-36A	36	070S	220E	4304733737		State	OW	APD	C
RWU 13-29B	29	070S	230E	4304733764		Federal	OW	APD	C
RWU 33-29B	29	070S	230E	4304733789		Federal	OW	APD	C
RWU 14-13A	13	070S	220E	4304733950		Federal	ow	APD	C
RWU 11W-34-7-22	34	070S	220E	4304734360		Federal	GW	APD	C
				· · · · · · · · · · · · · · · · · · ·					
		·							
				·					
			[ ]						

#### **OPERATOR CHANGES DOCUMENTATION**

Enter date	after each	listed item	is completed
------------	------------	-------------	--------------

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2

6/2/2003

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003

3. The new company was checked on the Department of Commerce, Division of Corporations Database on:

6/19/2003

4. Is the new operator registered in the State of Utah:

YES Business Number:

5292864-0151

5. If NO, the operator was contacted contacted on:

6.	(R649-9-2)Waste Management Plan has been received on:	IN PLACE	· <del>-</del>
7.	Federal and Indian Lease Wells: The BLM and or the Bl or operator change for all wells listed on Federal or Indian leases on		I the merger, name change,
8.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for	wells listed on:	7/21/2003
9.	Federal and Indian Communization Agreements ("C The BLM or BIA has approved the operator for all wells listed with		n/a
10	o. Underground Injection Control ("UIC") The Division for the enhanced/secondary recovery unit/project for the water dispersion.		UIC Form 5, <b>Transfer of Authority to Inj</b> on: <u>n/a</u>
D.	ATA ENTRY:		
ı.	Changes entered in the Oil and Gas Database on:	9/11/2003	<b>-</b> '
2.	Changes have been entered on the Monthly Operator Change Spr	ead Sheet on:	9/11/2003
3.	Bond information entered in RBDMS on:	n/a	
4.	Fee wells attached to bond in RBDMS on:	n/a	- 
<b>S</b> 7	State well(s) covered by Bond Number:	965-003-032	- 1
FI	EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	ESB000024	
IN 1.	IDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:	799446	
	EE WELL(S) BOND VERIFICATION:  (R649-3-1) The NEW operator of any fee well(s) listed covered by	Bond Number	965-003-033
2.	The <b>FORMER</b> operator has requested a release of liability from their The Division sent response by letter on:	r bond on: n/a	n/a
	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contact of their responsibility to notify all interest owners of this change on:	cted and informed n/a	by a letter from the Division
CC	DMMENTS:		
		· · · · · · · · · · · · · · · · · · ·	
		<del> </del>	

### SEI (N4235) to QEP (N2460)

well_name	Sec		R	api DOGM	Entity			stat		unit_name
RWU 21W-36A	36	070S	220E	4304733730		State	GW	APD	C	RED WASH
RWU 21G-36A	36	070S	220E	4304733731		State	OW	APD	C	RED WASH
RWU 41-36A	36	070S	220E	4304733732		State	OW	APD	C	RED WASH
RWU 43-16B	16	070S	230E	4304733733		State	OW	APD	C	RED WASH
RWU 21-16B	16	070S	230E	4304733734		State	OW	APD	C	RED WASH
RWU 11-36A	36	070S	220E	4304733736		State	OW	APD	C	RED WASH
RWU 13-36A	36	070S	220E	4304733737		State	OW	APD	C	RED WASH
RWU 13-29B	29	070S	230E	4304733764		Federal	OW	APD	C	RED WASH
RWU 33-29B	29	070S	230E	4304733789		Federal	OW	APD	C	RED WASH
RWU 14-13A	13	070S	220E	4304733950		Federal	OW	APD	C	RED WASH
RWU 11W-34-7-22	34	070S	220E	4304734360		Federal	GW	APD	C	RED WASH

	R	

r	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS AND MIN		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3037
SUNDRY	NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill nod drill horizontal la	ew wells, significantly deepen existing wells below curr terals. Use APPLICATION FOR PERMIT TO DRILL fo	rent bottom-hole depth, reenter plugged wells, or to orm for such proposals.	7. UNIT or CA AGREEMENT NAME: Red Wash Unit
1. TYPE OF WELL OIL WELL		CONCIDENTIAL	8. WELL NAME and NUMBER: RWU 21-16B
2. NAME OF OPERATOR: QEP Uinta Basin, Inc.		CUNFIDENTIAL	9. API NUMBER: 4304733734
3. ADDRESS OF OPERATOR: 11002 E 17500 S	Vernal STATE UT ZIP	PHONE NUMBER: (435) 781-4341	10. FIELD AND POOL, OR WILDCAT: Red Wash - Green River
4. LOCATION OF WELL FOOTAGES AT SURFACE: 671' F	NL 2308' FWL		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: NENW 16 T7S 2	3E	STATE: UTAH
11. CHECK APPR	ROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIŽE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTÉR CASING	FRACTURE TREAT	SIDÉTRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
e <del>e di serie de la como de la la como de la</del>	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	✓ OTHER: APD Extension
	CONVERT WELL TYPE	RECOMPLÉTÉ - DIFFERENT FORMATION	
	eby requests a 1 year extension  Date:	Approved by the Utah Division of Dil, Gas and Mining	
NAME (PLEASE PRINT) John Busc	ch	TITLE Operations	
SIGNATURE	Busch	DATE 4/26/2004	- <del>11 - 11 - 11 - 11 - 11 - 11 - 11 - 1</del>
The state of the s			

(This space for State use only)

**RECEIVED** APR 2 9 2004



#### Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-33734  Well Name: RWU 21-16B  Location: 671' FNL 2308' FWL NENW SEC 16 T7S R23E  Company Permit Issued to: QEP UINTA BASIN, INC.  Date Original Permit Issued: 4/16/2003
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No☑
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No☑
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
Is bonding still in place, which covers this proposed well? Yes ☑No ☐
John Burne 4/26/2004
Signature Date
Title: OPERATIONS
Representing: QEP UINTA BASIN, INC.

APR 2 9 2004

STATE OF UTAH

0 0 7 DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3037
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: RED WASH UNIT
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: RW 21-16B
2. NAME OF OPERATOR:  QEP UINTA BASIN, INC	9. API NUMBER: 4304733734
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-4331	10. FIELD AND POOL, OR WILDCAT: RED WASH
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 671' FNL 2308' FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 16 7S 23E	STATE: <b>UTAH</b>
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  DEEPEN  ACIDIZE  FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  CHANGE TUBING PLUG AND ABANDON	TUBING REPAIR  VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE	WATER SHUT-OFF
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	OTHER: APD EXTENSION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	mes, etc.
QEP, Uinta Basin, Inc. hereby requests a 1 year extension on the RW 21-16B.	

Approved by the Utah Division of Oil, Gas and Mining

RECEIVED

MAY 1 3 2005

DIV. OF OIL, GAS & MINING

			•			
NAME (PLÉASE PRINT) Jan Ne	elson		TIT	Regulatory	Affairs Analyst	
SIGNATURE W	n Del 50.	<u>n</u>	DA	5/11/2005		
(This space for State use only)						

#### Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

API:  43-047-33734  Well Name: RW 21-16B  Location: NENW, 671' FNL 2308' FWL, SEC. 16, T7S, R23E  Company Permit Issued to: QEP UINTA BASIN, INC.  Date Original Permit Issued: 4/16/2003	
The undersigned as owner with legal rights to drill on the property above, hereby verifies that the information as submitted in the prevapproved application to drill, remains valid and does not require rev	iously
Following is a checklist of some items related to the application, where related to the application, where items related to the application items related to the application items.	ich should be
f located on private land, has the ownership changed, if so, has the agreement been updated? Yes□No☑	e surface
Have any wells been drilled in the vicinity of the proposed well which he spacing or siting requirements for this location? Yes⊟ No☑	h would affect
Has there been any unit or other agreements put in place that could permitting or operation of this proposed well? Yes□No☑	d affect the
Have there been any changes to the access route including owners of-way, which could affect the proposed location? Yes□No☑	ship, or right-
Has the approved source of water for drilling changed? Yes□No⊠	
Have there been any physical changes to the surface location or activation which will require a change in plans from what was discussed at the evaluation? Yes□No☑	ccess route e onsite
s bonding still in place, which covers this proposed well? Yes No  5/11/2005  Date	
itle: Regulatory Affairs Analyst	
Representing: QEP Uinta Basin, Inc	RECEIVED
	MAY 1 3 2005



State of Utah

Department of **Natural Resources** 

MICHAEL R. STYLER **Executive Director** 

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director



GARY R. HERBERT Lieutenant Governor

May 30, 2006

Jan Nelson QEP Uinta Basin Inc. 11002 East 17500 South Vernal, Utah 84078

Re:

APD Rescinded -Red Wash Unit 21-16B Sec. 16, T. 7S R. 23E

Uintah County, Utah API No. 43-047-33734

Dear Ms. Nelson:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on April 16, 2003. On May 3, 2004 and May 17, 2005 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective May 30, 2006.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Whitney

**Engineering Technician** 

cc: Well File

SITLA, Ed Bonner

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

1. DJJ

								2. CDW				
Change of Operator (Well Sold)				X - Opera	ator Nam	e Change/Me	erger	'				
The operator of the well(s) listed below has chan	ged,	effectiv	/e:			1/1/2007						
FROM: (Old Operator):				TO: ( New Or	perator):							
N2460-QEP Uinta Basin, Inc.				N5085-Questar E&P Company								
1050 17th St, Suite 500				1050 17th St, Suite 500								
Denver, CO 80265					, CO 80265							
Phone: 1 (303) 672-6900				Phone: 1 (303)	672-6900							
CA No.				Unit:	072 0300	RED WASI	H UNIT					
WELL NAME	SEC	TWN	IRNC	API NO	ENTITY	LEASE TYPE		WELL				
WELL NAME	SEC	, I VVI	· Kut	ATTNO	NO	LEASE IIIE	TYPE	STATUS				
SEE ATTACHED LISTS				*								
OPERATOR CHANGES DOCUMENT	A TI	ION										
Enter date after each listed item is completed	AII	ION										
1. (R649-8-10) Sundry or legal documentation was	as rec	eived f	rom the	FORMER ope	rator on:	4/19/2007						
2. (R649-8-10) Sundry or legal documentation wa				_		4/16/2007	•					
3. The new company was checked on the <b>Depart</b> .				=		Database on:	•	1/31/2005				
4a. Is the new operator registered in the State of U				Business Numb	-	764611-0143						
5a. (R649-9-2)Waste Management Plan has been re		ed on:		- IN PLACE			-					
5b. Inspections of LA PA state/fee well sites comp				n/a	-							
5c. Reports current for Production/Disposition & S				n/a	-							
6. Federal and Indian Lease Wells: The BI			e BIA I	as approved the	merger na	me change						
or operator change for all wells listed on Feder					BLM	4/23/2007	BIA					
7. Federal and Indian Units:	GI OI	111(41(411	TOUSOS C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- 1/25/2007		•				
The BLM or BIA has approved the successor	r of n	nit ope	rator fo	r wells listed on:	:	4/23/2007						
8. Federal and Indian Communization Ag		_			•							
The BLM or BIA has approved the operator			-	-								
9. Underground Injection Control ("UIC"					oved UIC F	orm 5, Transfer	of Autho	ority to				
Inject, for the enhanced/secondary recovery ur	-	oject fo	or the wa	ater disposal wel	ll(s) listed o	n:						
DATA ENTRY:	-			•	. ,			_				
1. Changes entered in the Oil and Gas Database	on:			4/30/2007 and	5/15/2007							
2. Changes have been entered on the Monthly O	perat	tor Cha	ange Sp	read Sheet on:		4/30/2007 and 5	5/15/2007	•				
3. Bond information entered in RBDMS on:				4/30/2007 and								
4. Fee/State wells attached to bond in RBDMS or				4/30/2007 and								
5. Injection Projects to new operator in RBDMS				4/30/2007 and								
6. Receipt of Acceptance of Drilling Procedures	or A.	PD/Ne	w on:		n/a							
BOND VERIFICATION:				TCD 000004								
1. Federal well(s) covered by Bond Number:				<u>FSB000024</u> 799446	-							
<ul><li>2. Indian well(s) covered by Bond Number:</li><li>3a. (R649-3-1) The NEW operator of any state/fe</li></ul>		ille) lie	ted cov		umbor	965003033						
3b. The <b>FORMER</b> operator has requested a release		, ,		•	n/a		•					
LEASE INTEREST OWNER NOTIFIC		-	/ HOIII L	nen bond on.	ша	-						
4. (R649-2-10) The NEW operator of the fee wells			ontacted	l and informed b	v a letter fr	om the Division						
of their responsibility to notify all interest owner					n/a	om the Division						
						<del>-</del> 						
COMMENTS: THIS IS A COMPANY NAME (	HAI	NGE.										

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 1 (41-26B)	RW 41-26B	NENE	26	070S	230E	4304715135	5670	Federal	OW	TA
RWU 3 (34-23B)	RW 34-23B	SWSE	23	070S	230E	4304715136	5670	Federal	OW	P
RWU 4 (41-22B)	RW 41-22B	NENE	22	070S	230E	4304715137	5670	Federal	OW	TA
RWU 5 (41-23B)	RW 41-23B	NENE	23	070S	230E	4304715138	5670	Federal	OW	P
RWU 8 (32-22B)	RW 32-22B	SWNE	22	070S	230E	4304715139	5670	Federal	OW	P
RWU 9 (43-23B)	RW 43-23B	NESE	23	070S	230E	4304715140	5670	Federal	OW	P
RWU 10 (12-23B)	RW 12-23B	SWNW	23	070S	230E	4304715141	5670	Federal	OW	TA
RWU 11	RW 34-27B	SWSE	27	070S	230E	4304715142	99996	Federal	WI	A
RWU 13 (14-22B)	RW 14-22B	SWSW	22	070S	230E	4304715143	5670	Federal	OW	TA
RW 14-13B	RW 14-13B	SWSW	13	070S	230E	4304715144	99996	Federal	WI	A
RWU 15 (32-17C)	RW 32-17C	SWNE	17	070S	240E	4304715145	5670	Federal	OW	P
RWU 17 (41-20B)	RW 41-20B	NENE	20	070S	230E	4304715146	5670	Federal	WI	A
RWU 19 (34-26B)	RW 34-26B	SWSE	26	070S	230E	4304715148	5670	Federal	GW	S
RWU 21 (32-14B)	RW 32-14B	SWNE	14	070S	230E	4304715150	5670	Federal	OW	P
RWU 23 (21-23B)	RW 21-23B	SENW	23	070S	230E	4304715151	99996		WI	A
RWU 24 (34-14B)	RW 34-14B	SWSE	14	070S	230E	4304715152	5670	Federal	OW	S
RWU 26 (23-22B)	RW 23-22B	NESW	22	070S	230E	4304715153	5670	Federal	OW	TA
RWU 27 (43-14B)	RW 43-14B	NESE	14	070S	230E	4304715154	5670	Federal	OW	TA
RWU 28 (43-22B)	RW 43-22B	NESE	22	070S	230E	4304715155	5670	Federal	OW	P
RWU 29 (32-23B)	RW 32-23B	SWNE	23	070S	230E	4304715156	5670	Federal	OW	P
RW 23-13B	RW 23-13B	NESW	13	070S	230E	4304715157	5670	Federal	GW	TA
RWU 31 (34-22B)	RW 34-22B	SWSE	22	070S	230E	4304715158	5670	Federal	OW	P
RWU 33 (14-14B)	RW 14-14B	SWSW	14	070S	230E	4304715160	5670	Federal	GW	TA
RWU 34 (23-14B)	RW 23-14B	NESW	14	070S	230E	4304715161		Federal	WI	A
RW 43-13B	RW 43-13B	NESE	13	070S	230E	4304715162	5670	Federal	OW	TA
RWU 36 (32-13B)	RW 32-13B	SWNE	13	070S	230E	4304715163	5670	Federal	GW	P
RWU 38 (14-23B)	RW 14-23B	SWSW	23	070S	230E	4304715165	5670	Federal	OW	P
RWU 39 (14-24A)	RW 14-24A	SWSW	24	070S	220E	4304715166	5670	Federal	OW	TA
RWU 40 (21-24B)	RW 21-24B	NENW	24	070S	230E	4304715167	5670	Federal	OW	TA
RWU 41 (34-13B)	RW 34-13B	SWSE	13	070S	230E	4304715168	5670	Federal	OW	P
RWU 42 (21-29C)	RW 21-29C	NENW	29	070S	240E	4304715169	5670	Federal	GW	P
RWU 43 (12-17B)	RW 12-17B	SWNW	17	070S	230E	4304715170	5670	Federal	OW	P
RWU 44 (32-33C)	RW 32-33C	SWNE	33	070S	240E	4304715171	5670	Federal	GW	P
RWU 45 (23-30B)	RW 23-30B	NESW	30	070S	230E	4304715172			OW	TA
RWU 46 (41-21C)	RW 41-21C	NENE	21	070S	240E	4304715173		Federal	GW	TA
RWU 48 (32-19B)	RW 32-19B	SWNE	19	070S	230E	4304715174		Federal	WI	I
RWU 49 (12-29B)	RW 12-29B	SWNW	29	070S	230E	4304715175		Federal	OW	TA
RWU 50 (14-23A)	RW 14-23A	SWSW	23	070S	220E	4304715176	5670	Federal	OW	P
RWU 52 (14-18B)	RW 14-18B	SWSW	18	070S	230E	4304715178		Federal	OW	TA
RWU 53 (41-25A)	RW 41-25A	NENE	25	070S	220E	4304715179		Federal	OW	TA
RWU 56 (41-28B)	RW 41-28B	NENE	28	070S	230E			Federal	WI	A

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 57 (12-18C)	RW 12-18C	SWNW	18	070S	240E	4304715183	5670	Federal	OW	P
RWU 63 (21-22B)	RW 21-22B	NENW	22	070S	230E	4304715186	5670	Federal	GW	TA
RWU 64 (32-27B)	RW 32-27B	SWNE	27	070S	230E	4304715187	5670	Federal	OW	TA
RWU 66 (34-18B)	RW 34-18B	SWSE	18	070S	230E	4304715189	5670	Federal	OW	P
RWU 67 (42-22B)	RW 42-22B	SENE	22	070S	230E	4304715190	5670	Federal	OW	TA
RWU 69 (21-27B)	RW 21-27B	NENW	27	070S	230E	4304715191	5670	Federal	OW	TA.
RWU 70 (23-22A)	RW 23-22A	NESW	22	070S	220E	4304715192	5670	Federal	OW	P
RWU 71 (21-18C)	RW 21-18C	NENW	18	070S	240E	4304715193	5670	Federal	OW	P
RWU 72 (23-27B)	RW 23-27B	NESW	27	070S	230E	4304715194	5670	Federal	OW	TA
RWU 74 (12-13B)	RW 12-13B	SWNW	13	070S	230E	4304715196	5670	Federal	GW	S
RWU 75 (21-26B)	RW 21-26B	NENW	26	070S	230E	4304715197	5670	Federal	OW	TA
RWU 76 (32-18C)	RW 32-18C	SWNE	18	070S	240E	4304715198	5670	Federal	GW	P
RWU 77 (21-13B)	RWU 77 (21-13B)	NENW	13	070S	230E	4304715199	5670	Federal	OW	P
RWU 78 (32-28B)	RW 32-28B	SWNE	28	070S	230E	4304715200	5670	Federal	OW	P
RWU 79 (12-27B)	RW 12-27B	SWNW	27	070S	230E	4304715201	5670	Federal	OW	TA
RWU 80 (14-27B)	RW 14-27B	swsw	27	070S	230E	4304715202	5670	Federal	OW	S
RWU 81 (41-31B)	RW 41-31B	NENE	31	070S	230E	4304715203	5670	Federal	OW	P
RWU 83 (41-27A)	RW 41-27A	NENE	27	070S	220E	4304715205	5670	Federal	OW	P
RWU 84 (44-14B)	RW 44-14B	SESE	14	070S	230E	4304715206	5670	Federal	GW	P
RWU 88 (23-18B)	RW 23-18B	NESW	18	070S	230E	4304715210	5670	Federal	WI	A
RWU 90 (43-21B)	RW 43-21B	NESE	21	070S	230E	4304715211	5670	Federal	OW	P
RWU 92 (11-23B)	RW 11-23B	NWNW	23	070S	230E	4304715212	5670	Federal	OW	TA
RWU 94 (12-22A)	RW 12-22A	SWNW	22	070S	220E	4304715213	5670	Federal	OW	P
RWU 23-18C (97)	RW 23-18C	NESW	18	070S	240E	4304715216		Federal	WI	I
RWU 99 (12-22B)	RW 12-22B	SWNW	22	070S	230E	4304715218	5670	Federal	OW	P
RWU 100-A (43-21A)	RW 43-21A	NESE	21	070S	220E	4304715219	5670	Federal	WI	A
RWU 101 (34-21B)	RW 34-21B	SWSE	21	070S	230E	4304715220	5670	Federal	OW	P
RWU 102 (41-24A)	RW 41-24A	SENE	24	070S	220E	4304715221	5670	Federal	WI	A
RWU 103 (34-15B)	RW 34-15B	SWSE	15	070S	230E	4304715222	5670	Federal	OW	P
RWU 108 (32-21B)	RW 32-21B	SWNE	21	070S	230E	4304715226	5670	Federal	OW	P
RWU 109 (21-28B)	RW 21-28B	NENW	28	070S	230E	4304715227	5670	Federal	OW	P
RWU 110 (23-23A)	RW 23-23A	NESW	23	070S	220E	4304715228	5670	Federal	OW	P
RWU 111 (32-24A)	RW 32-24A	SWNE	24	070S	220E	4304715229	5670	Federal	OW	S
RWU 112 (32-28A)	RW 32-28A	SWNE	28	070S	220E	4304715230	-	Federal	OW	S
RWU 115 (21-19B)	RW 21-19B	NENW	19	070S	230E	4304715233	-	Federal	OW	P
RWU 119 (43-29A)	RW 43-29A	NESE	29	070S	220E	4304715236	5670	Federal	OW	P
RWU 120 (23-28B)	RW 23-28B	NESW	28	070S	230E	4304715237	5670	Federal	OW	TA
RW 13-13B	RW 13-13B	NWSW	13	070S	230E	4304715238	5670	Federal	GW	P
RWU 122 (24-14B)	RW 24-14B	SESW	14	070S	230E	4304715239		Federal	OW	P
RWU 125 (34-19B)	RW 34-19B	SWSE	19	070S	230E	4304715242	5670	Federal	OW	TA
RWU 126 (41-29A)	RW 41-29A	NENE	29	070S	220E	4304715242		Federal	OW	P

#### QEP Uinta Basin (N2460) to QUESTAR E and P (N5085) RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 127 (12-19B)	RW 12-19B	SWNW	19	070S	230E	4304715244	5670	Federal	OW	S
RWU 129 (14-15B)	RW 14-15B	SWSW	15	070S	230E	4304715246	5670	Federal	OW	P
RWU 133 (41-34B)	RW 41-34B	NENE	34	070S	230E	4304715250	5670	Federal	OW	P
RWU 136 (43-19B)	RW 43-19B	NESE	19	070S	230E	4304715252	5670	Federal	OW	TA
RWU 137 (34-28B)	RW 34-28B	SWSE	28	070S	230E	4304715253	5670	Federal	GW	TA
RWU 138 (41-30B)	RW 41-30B	NENE	30	070S	230E	4304715254	5670	Federal	OW	P
RWU 140 (24-22B)	RW 24-22B	SESW	22	070S	230E	4304715255	5670	Federal	OW	P
RWU 141 (11-27B)	RW 11-27B	NWNW	27	070S	230E	4304715256	5670	Federal	OW	TA
RWU 143 (33-14B)	RW 33-14B	NWSE	14	070S	230E	4304715257	5670	Federal	OW	P
RWU 144 (21-18B)	RW 21-18B	NENW	18	070S	230E	4304715258	5670	Federal	OW	TA
RW 24-13B	RW 24-13B	SESW	13	070S	230E	4304715259	5670	Federal	OW	TA
RWU 147 (22-22B)	RW 22-22B	SENW	22	070S	230E	4304715260	5670	Federal	OW	TA
RWU 148 (13-22B)	RW 13-22B	NWSW	22	070S	230E	4304715261	_	Federal	WI	A
RWU 150 (31-22B)	RW 31-22B	NWNE	22	070S	230E	4304715263		Federal	WI	I
RWU 151 (42-14B)	RW 42-14B	SENE	14	070S	230E	4304715264	5670	Federal	OW	P
RWU 153 (14-29B)	RW 14-29B	SWSW	29	070S	230E	4304715265	5670	Federal	OW	P
RWU 156 (23-15B)	RW 23-15B	NESW	15	070S	230E	4304715267		Federal	WI	A
RWU 158 (32-30B)	RW 32-30B	SWNE	30	070S	230E	4304715268		Federal	OW	P
RWU 160 (32-15B)	RW 32-15B	SWNE	15	070S	230E	4304715270		Federal	OW	P
RWU 161 (14-20B)	RW 14-20B	SWSW	20	070S	230E	4304715271	-	Federal	WI	I
RWU 162 (12-20B)	RW 12-20B	SWNW	20	070S	230E	4304715272		Federal	OW	P
RWU 164 (12-28B)	RW 12-28B	SWNW	28	070S	230E	4304715274	5670	Federal	OW	P
RWU 165 (32-26B)	RW 32-26B	SWNE	26	070S	230E	4304715275	5670	Federal	GW	TA
RWU 167 (23-21B)	RW 23-21B	NESW	21	070S	230E	4304715277	5670	Federal	OW	S
RWU 168 (23-24B)	RW 23-24B	NESW	24	070S	230E	4304715278	5670	Federal	OW	TA
RWU 172 (21-30B)	RW 21-30B	NENW	30	070S	230E	4304715280	5670	Federal	OW	TA
RWU 174 (21-20B)	RW 21-20B	NENW	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 176 (31-28B)	RW 31-28B	NWNE	28	070S	230E	4304715283	5670	Federal	OW	TA
RWU 177 (42-28B)	RW 42-28B	SENE	28	070S	230E	4304715284	5670	Federal	OW	TA
RW 22-13B	RW 22-13B	SENW	13	070S	230E	4304715285	5670	Federal	OW	TA
RWU 180 (31-23B)	RW 31-23B	NWNE	23	070S	230E	4304715287	5670	Federal	OW	TA
RWU 181 (34-30B)	RW 34-30B	SWSE	30	070S	230E	4304715288	5670	Federal	OW	P
RW 33-13B	RW 33-13B	NWSE	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 184 (23-26B)	RW 23-26B	NESW	26	070S	230E	4304715290		Federal	GW	S
RWU 188 (23-20B)	RW 23-20B	NESW	20	070S	230E	4304715291		Federal	OW	TA
RWU 192 (41-33A)	RW 41-33A	NENE	33	070S	220E	4304715294		Federal	OW	P
RWU 193 (43-24B)	RW 43-24B	NESE	24	070S	230E	4304715295		Federal	GW	TA
RWU 194 (12-14B)	RW 12-14B	SWNW	14	070S	230E	4304715296		Federal	OW	S
RWU 196 (23-17C)	RW 23-17C	NESW	17	070S	240E	4304715298		Federal	GW	TA
RWU 199 (43-22A)	RW 43-22A	NESE	22	070S	220E	4304715301		Federal	WI	A
RWU 201 (32-28C)	RW 32-28C	SWNE	28	070S	240E	4304715301		Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 202 (21-34A)	RW 21-34A	NENW	34	070S	220E	4304715303	99996	Federal	WI	I
RWU 204 (23-25A)	RW 23-25A	NESW	25	070S	220E	4304715305	5670	Federal	OW	P
RWU 205 (23-21C)	RW 23-21C	NESW	21	070S	240E	4304715306	5670	Federal	GW	TA
RWU 2 (14-24B)	RW 14-24B	swsw	24	070S	230E	4304716472		Federal	WI	A
RWU 7 (41-27B)	RW 41-27B	NENE	27	070S	230E	4304716473		Federal	WI	I
RWU 16 (43-28B)	RW 43-28B	NESE	28	070S	230E	4304716475		Federal	WI	I
RWU 25 (23-23B)	RW 23-23B	NESW	23	070S	230E	4304716476		Federal	WI	A
RWU 59 (12-24B)	RW 12-24B	SWNW	24	070S	230E	4304716477		Federal	WI	A
RWU 61 (12-27A)	RW 12-27A	SWNW	27	070S	220E	4304716478		Federal	WI	I
RWU 91 (33-22B)	RW 33-22B	NWSE	22	070S	230E	4304716479		Federal	WI	A
RWU 93 (43-27B)	RW 43-27B	NESE	27	070S	230E	4304716480		Federal	WI	I
RWU 6 (41-21B)	RW 41-21B	NENE	21	070S	230E	4304716482		Federal	WI	A
RWU 68 (41-13B)	RW 41-13B	NENE	13	070S	230E	4304716485		Federal	WI	I
RWU 170 (41-15B)	RW 41-15B	NENE	15	070S	230E	4304716495		Federal	WI	I
RWU 173 (21-21B)	RW 21-21B	NENW	21	070S	230E	4304716496		Federal	WI	A
RWU 182 (14-21B)	RW 14-21B	swsw	21	070S	230E	4304716497	99996	Federal	WI	A
RWU 185 (41-1B)	RW 41-14B	NENE	14	070S	230E	4304716498		Federal	WI	A
RWU 212 (41-8F)	RW 41-8F	NENE	08	080S	240E	4304720014	5670	Federal	GW	P
RWU 213 (41-33B)	RW 41-33B	NENE	33	070S	230E	4304720060		Federal	WD	A
RWU 215 (43-28A)	RW 43-28A	NESE	28	070S	220E	4304730058		Federal	WD	A
RWU 216 (21-27A)	RW 21-27A	NENW	27	070S	220E	4304730103		Federal	WI	Α
RWU 219 (44-21C)	RW 44-21C	SESE	21	070S	240E	4304730149	5670	Federal	GW	S
RWU 220 (22-23B)	RW 22-23B	SENW	23	070S	230E	4304730192	5670	Federal	OW	TA
RWU 221 (13-27B)	RW 13-27B	NWSW	27	070S	230E	4304730199	5670	Federal	OW	TA
RWU 222 (31-27B)	RW 31-27B	NWNE	27	070S	230E	4304730200	5670	Federal	GW	TA
RWU 224 (44-22B)	RW 44-22B	SESE	22	070S	230E	4304730202	5670	Federal	GW	TA
RWU 225 (13-23B)	RW 13-23B	NWSW	23	070S	230E	4304730212	5670	Federal	GW	TA
RWU 226 (24-23B)	RW 24-23B	SESW	23	070S	230E	4304730249	5670	Federal	GW	S
RWU 227 (14-26B)	RW 14-26B	SWSW	26	070S	230E	4304730257	5670	Federal	OW	TA
RWU 228 (21-34B)	RW 21-34B	NENW	34	070S	230E	4304730258	5670	Federal	ow	P
RWU 229 (43-26B)	RW 43-26B	NESE	26	070S	230E	4304730259	5670	Federal	OW	TA
RWU 230 (14-18C)	RW 14-18C	SWSW	18	070S	240E	4304730309	5670	Federal	ow	P
RWU 231 (21-35B)	RW 21-35B	NENW	35	070S	230E	4304730310	5670	Federal	ow	TA
RWU 232 (12-26B)	RW 12-26B	SWNW	26	070S	230E	4304730311	5670	Federal	OW	TA
RWU 233 (12-25B)	RW 12-25B	SWNW	25	070S	230E	4304730312		Federal	OW	TA
RWU 234 (32-24B)	RW 32-24B	SWNE	24	070S	230E	4304730313		Federal	OW	P
RWU 235 (34-18C)	RW 34-18C	SWSE	18	070S	240E	4304730314		Federal	OW	S
RWU 236 (21-19C)	RW 21-19C	NENW	19	070S	240E	4304730340		Federal	GW	P
RWU 237 (14-25B)	RW 14-25B	SWSW	25	070S	230E	4304730341		Federal	OW	P
RWU 238 (32-35B)	RW 32-35B	SWNE	35	070S	230E	4304730342		Federal	OW	TA
RWU 239 (41-35B)	RW 41-35B	NENE	35	070S	230E	4304730343		Federal	OW	TA

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 240 (12-36B)	RW 12-36B	SWNW	36	070S	230E	4304730344	5670	Federal	OW	S
RWU 241 (22-14B)	RW 22-14B	SENW	14	070S	230E	4304730345	5670	Federal	OW	P
RW 42-13B	RW 42-13B	SENE	13	070S	230E	4304730346	5670	Federal	OW	P
RWU 243 (42-18C)	RW 42-18C	SENE	18	070S	240E	4304730347	5670	Federal	OW	TA
RWU 244 (23-19C)	RW 23-19C	NESW	19	070S	240E	4304730348	5670	Federal	GW	P
RWU 246 (22-18C)	RW 22-18C	SENW	18	070S	240E	4304730387	5670	Federal	OW	P
RWU 247 (22-17C)	RW 22-17C	SENW	17	070S	240E	4304730388	5670	Federal	GW	P
RWU 258 (34-22A)	RW 34-22A	SWSE	22	070S	220E	4304730458	5670	Federal	WI	A
RWU 262 (22-26B)	RW 22-26B	SENW	26	070S	230E	4304730517	5670	Federal	GW	TA
RWU 263 (24-26B)	RW 24-26B	SESW	26	070S	230E	4304730518		Federal	WI	I
RWU 264 (31-35B)	RW 31-35B	NWNE	35	070S	230E	4304730519		Federal	WI	A
RWU 265 (44-26B)	RW 44-26B	SESE	26	070S	230E	4304730520	5670	Federal	GW	P
RWU 266 (33-26B)	RW 33-26B	NWSE	26	070S	230E	4304730521		Federal	WI	I
RWU 269 (13-26B)	RW 13-26B	NWSW	26	070S	230E	4304730522		Federal	WI	A
RWU 273 (42-27B)	RW 42-27B	SENE	27	070S	230E	4304731051	5670	Federal	OW	TA
RWU 279 (11-36B)	RW 11-36B	NWNW	36	070S	230E	4304731052	99996	Federal	WI	A
RWU 276 (44-27B)	RW 44-27B	SESE	27	070S	230E	4304731053	5670	Federal	OW	TA
RWU 272 (44-23B)	RW 44-23B	SESE	23	070S	230E	4304731054	5670	Federal	GW	P
RWU 278 (11-26)	RW 11-26	NWNW	26	070S	230E	4304731076	5670	Federal	GW	TA
RWU 275 (31-26B)	RW 31-26B	NWNE	26	070S	230E	4304731077		Federal	WI	A
RWU 280 (11-35B)	RW 11-35B	NWNW	35	070S	230E	4304731079	5670	Federal	OW	P
RWU 282 (42-26B)	RW 42-26B	SENE	26	070S	230E	4304731080	5670	Federal	GW	TA
RWU 271 (42-35B)	RW 42-35B	SENE	35	070S	230E	4304731081	5670	Federal	WI	I
RWU 270 (22-35B)	RW 22-35B	SENW	35	070S	230E	4304731082	5670	Federal	OW	P
RWU 284 (33-23B)	RW 33-23B	NWSE	23	070S	230E	4304731476	5670	Federal	GW	TA
RWU 285 (11-24B)	RW 11-24B	NWNW	24	070S	230E	4304731477	5670	Federal	OW	P
RWU 286 (42-21B)	RW 42-21B	SENE	21	070S	230E	4304731478	5670	Federal	OW	P
RW 44-13B	RW 44-13B	SESE	13	070S	230E	4304731512	5670	Federal	OW	TA
RWU 288 (24-27)	RW 24-27	SESW	27	070S	230E	4304731513	5670	Federal	OW	TA
RWU 289 (13-24B)	RW 13-24B	NWSW	24	070S	230E	4304731517	5670	Federal	OW	P
RWU 292 (42-23B)	RW 42-23B	SENE	23	070S	230E	4304731576	5670	Federal	GW	TA
RWU 295 (11-22B)	RW 11-22B	NWNW	22	070S	230E	4304731577	5670	Federal	GW	TA
RWU 296 (12-35B)	RW 12-35B	SWNW	35	070S	230E	4304731578	5670	Federal	OW	S
RWU 297 (24-15B)	RW 24-15B	SESW	15	070S	230E	4304731579		Federal	OW	P
RWU 293 (22-22A)	RW 22-22A	SENW	22	070S	220E	4304731581		Federal	OW	TA
RWU 294 (24-18C)	RW 24-18C	SESW	18	070S	240E	4304731582		Federal	GW	P
RWU 298 (22-27B)	RW 22-27B	SENW	27	070S	230E	4304731679		Federal	OW	TA
RWU 301 (43-15B)	RW 43-15B	NESE	15	070S	230E	4304731682		Federal	GW	TA
RWU 302 (22-24B)	RW 22-24B	SENW	24	070S	230E	4304731683		Federal	GW	TA
RWU 303 (34-17B)	RW 34-17B	SWSE	17	070S	230E	4304731819		Federal	OW	P
RED WASH 305 (41-4F)	RW 41-4F	C-NE	04	080S	240E	4304732538		Federal	GW	TA

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RED WASH 306	RW 23-23C	NESW	23	070S	240E	4304732629	5670	Federal	GW	P
RWU 207	RW 14-17B	SWSW	17	070S	230E	4304732738	5670	Federal	OW	P
RED WASH UNIT 261	RW 23-17B	NESW	17	070S	230E	4304732739	5670	Federal	WI	A
RWU 268 (43-17B)	RW 43-17B	NESE	17	070S	230E	4304732980	5670	Federal	WI	A
RWU 267 (32-17B)	RW 32-17B	SWNE	17	070S	230E	4304732981	5670	Federal	OW	P
RWU 283 (43-18B)	RW 43-18B	NESE	18	070S	230E	4304732982	5670	Federal	WI	A
RWU 299 (32-18B)	RW 32-18B	SWNE	18	070S	230E	4304733018	5670	Federal	OW	P
RWU 42-20B	RW 42-20B	SENE	20	070S	230E	4304733490	5670	Federal	OW	P
RWU 22-20B	RW 22-20B	SENW	20	070S	230E	4304733491	5670	Federal	OW	S
RWU 24-19B	RW 24-19B	SESW	19	070S	230E	4304733492	5670	Federal	OW	P
RWU 13-19B	RW 13-19B	NWSW	19	070S	230E	4304733497	5670	Federal	WI	A
RWU 13-20B	RW 13-20B	NWSW	20	070S	230E	4304733498	5670	Federal	WI	A
RWU 33-19B	RW 33-19B	NWSE	19	070S	230E	4304733499	5670	Federal	WI	A
RWU 33-20B	RW 33-20B	NWSE	20	070S	230E	4304733500	5670	Federal	WI	A
RED WASH 22-21B	RW 22-21B	SENW	21	070S	230E	4304733522	5670	Federal	OW	S
RED WASH 24-20B	RW 24-20B	SESW	20	070S	230E	4304733523	5670	Federal	OW	P
RED WASH 44-19B	RW 44-19B	SESE	19	070S	230E	4304733524	5670	Federal	OW	P
RED WASH 44-20B	RW 44-20B	SESE	20	070S	230E	4304733525	5670	Federal	OW	P
RWU 11-19B	RW 11-19B	NWNW	19	070S	230E	4304733552	5670	Federal	WI	A
RWU 11-20B	RW 11-20B	NWNW	20	070S	230E	4304733553	5670	Federal	WI	A
RWU 24-18B	RW 24-18B	SESW	18	070S	230E	4304733554	5670	Federal	OW	P
RWU 31-19B	RW 31-19B	NWNE	19	070S	230E	4304733555	5670	Federal	WI	A
RWU 42-19B	RW 42-19B	SENE	19	070S	230E	4304733556	5670	Federal	OW	P
RWU 22-19B	RW 22-19B	SENW	19	070S	230E	4304733559	5670	Federal	OW	P
RWU 23-24A	RW 23-24A	NESW	24	070S	220E	4304733567	5670	Federal	OW	P
RWU 34-24A	RW 34-24A	SWSE	24	070S	220E	4304733568	5670	Federal	WI	A
RWU 42-24A	RW 42-24A	SENE	24	070S	220E	4304733569	5670	Federal	OW	S
RWU 11-25A	RW 11-25A	NWNW	25	070S	220E	4304733574	5670	Federal	WI	A
RWU 13-25A	RW 13-25A	NWSW	25	070S	220E	4304733575	5670	Federal	WI	A
RWU 21-25A	RW 21-25A	NENW	25	070S	220E	4304733576	5670	Federal	OW	P
RWU 31-25A	RW 31-25A	NWNE	25	070S	220E	4304733577	5670	Federal	WI	A
RWU 33-25A	RW 33-25A	NWSE	25	070S	220E	4304733578	5670	Federal	WI	A
RW 41-25AX	RW 41-25A	NENE	25	070S	220E	4304733579	5670	Federal	OW	P
RWU 42-25A	RWU 42-25A	SENE	25	070S	220E	4304733580	5670	Federal	OW	TA
RWU 11-29B	RW 11-29B	NWNW	29	070S	230E	4304733590		Federal	WI	A
RWU 12-24A	RW 12-24A	SWNW	24	070S	220E	4304733591	5670	Federal	WI	Á
RWU 21-24A	RW 21-24A	NENW	24	070S	220E	4304733592	5670	Federal	OW	P
RWU 34-13A	RW 34-13A	SWSE	13	070S	220E	4304733593	5670	Federal	WI	A
RWU 44-18B	RW 44-18B	SESE	18	070S	230E	4304733594		Federal	OW	P
RW 22-13A	RW 22-13A	SENW	13	070S	220E	4304733765		Federal	OW	S
RWU 22-29B	RW 22-29B	SENW	29		230E	4304733766		Federal	OW	S

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 41-24A	RW 41-24A	NENE	24	070S	220E	4304733769	5670	Federal	OW	D
RWU 42-30B	RW 42-30B	SENE	30	070S	230E	4304733769	5670	Federal	OW	P
RWU 44-30B	RWU 44-30B	SESE	30	070S	230E	4304733771	5670	Federal	OW	P
RWU 11-30B	RW 11-30B	NWNW	30	070S	230E	4304733772	5670	Federal	WI	
RWU 22-25A	RW 22-25A	SENW	25	070S	230E	4304733786	5670	Federal	OW	A P
RWU 31-30B	RW 31-30B	NWNE	30	070S	230E	4304733788	5670	Federal	WI	A
RWU 33-30B	RW 33-30B	NWSE	30	070S	230E	4304733788	5670	Federal	WI	A
RED WASH U 34-27C	RW 34-27C	SWSE	27	070S	240E	4304735790	5670	Federal	GW	P
RWU 34-22C	RW 34-22C	SWSE	22	070S	240E	4304735098	5670	Federal	GW	P
RW 12G-20C	RW 12G-20C	SWNW	20	070S	240E	4304735239	14011	Federal	GW	S
RW 43G-08F	RW 43G-08F	NESE	08	080S	240E	4304735655	14011	Federal	GW	APD
RW 22G-09F	RW 22G-09F	SENW	09	080S	240E	4304735656	15636	Federal	GW	OPS
RWU 34-23AG	RW 34-23AG	SWSE	23	070S	220E	4304735668	5670	Federal	OW	P
RWU 34-27AG	RWU 34-27AD	SWSE	27	070S	220E	4304735669	5670	Federal	OW	DRL
RWU 32-27AG	RWU 32-27AG	SWNE	27	070S	220E	4304735670	5670	Federal	OW	S
RW 14-34AMU	RW 14-34AMU	SWSW	34	070S	220E	4304735671		Federal	GW	P
RW 12-08FG	RW 12-08FG	SWNW	08	080S	240E	4304736348		Federal	GW	APD
RW 44-08FG	RW 44-08FG	SESE	08	080S	240E	4304736349	15261	Federal	GW	P
RW 12-17FG	RW 12-17FG	SWNW	17	080S	240E	4304736350		Federal	GW	APD
RW 34-34 AMU	RW 34-34 AD	SWSE	34	070S	220E	4304736351		Federal	GW	APD
RW 44-35 AMU	RW 44-35 AMU	SESE	35	070S	220E	4304736352		Federal	GW	APD
RW 14-35 AMU	RW 14-35 AMU	SWSW	35	070S	220E	4304736354		Federal	GW	APD
RW 33-31 BMU	RW 33-31 BD	NWSE	31	070S	230E	4304736357		Federal	GW	APD
RW 13-31 BMU	RW 13-31 BD	NWSW	31	070S	230E	4304736358		Federal	GW	APD
RW 32-15FG	RW 32-15FG	SWNE	15	080S	240E	4304736443		Federal	GW	APD
RW 21-26AG	RW 21-26AD	NENW	26	070S	220E	4304736768		Federal	OW	APD
RW 43-26AG	RW 43-26AG	NESE	26	070S	220E	4304736769		Federal	OW	APD
RW 43-23AG	RW 43-23AG	NESE	23	070S	220E	4304736770		Federal	OW	APD
RW 41-26AG	RW 41-26AG	NENE	26	070S	220E	4304736818		Federal	OW	APD
RW 04-25BG	RW 04-25B	NWSW	25	070S	230E	4304736982		Federal	OW	APD
RW 01-25BG	RW 01-25BG	NWNW	25	070S	230E	4304736983		Federal	OW	APD
RW 04-26BG	RW 04-26BG	SESW	26	070S	230E	4304736984		Federal	OW	APD
RW 01-26BG	RW 01-26BG	SWNW	26	070S	230E	4304736985		Federal	OW	APD
RW 01-35BG	RW 01-35BG	SWNW	35	070S	230E	4304736986		Federal	OW	APD

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 51 (12-16B)	RW 12-16B	SWNW	16	070S	230E	4304715177	5670	State	OW	P
RWU ST 189 (41-16B)	RW 41-16B	NENE	16	070S	230E	4304715292	5670	State	OW	S
RED WASH UNIT 259	RW 14-16B	swsw	16	070S	230E	4304732785	5670	State	OW	P
RED WASH UNIT 260	RW 34-16B	SWSE	16	070S	230E	4304732786	5670	State	OW	P
RWU 324 (23-16B)	RW 23-16B	SESW	16	070S	230E	4304733084	5670	State	WI	OPS
RWU 21W-36A	RWU 21W-36A	NENW	36	070S	220E	4304733730		State	GW	LA
RWU 21G-36A	RWU 21G-36A	NENW	36	070S	220E	4304733731		State	OW	LA
RWU 41-36A	RWU 41-36A	NENE	36	070S	220E	4304733732		State	OW	LA
RWU 43-16B	RWU 43-16B	NESE	16	070S	230E	4304733733		State	OW	LA
RWU 21-16B	RWU 21-16B	NENW	16	070S	230E	4304733734		State	OW	LA
RWU 11-36A	RWU 11-36A	NWNW	36	070S	220E	4304733736		State	OW	LA
RWU 13-36A	RWU 13-36A	NWSW	36	070S	220E	4304733737		State	OW	LA
RW 32G-16C	RW 32G-16C	SWNE	16	070S	240E	4304735238	5670	State	GW	P
RW 14-36AMU	RW 14-36AMU	SWSW	36	070S	220E	4304736721		State	GW	APD
RW 01-36BG	RW 01-36BG	NWNW	36	070S	230E	4304736887	5670	State	OW	S
RW 24-16BG	RW 24-16BG	SESW	16	070S	230E	4304737746	5670	State	OW	DRL
RW 12-32BG	RW 12-32BG	SWNW	32	070S	230E	4304737946	15841	State	GW	DRL

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL. GAS AND MINING

		DIVISION	N OF OIL, GAS AND	MININ	1G			ASE DESIGNATION AND SERIAL NUMBER:
	SUNDRY	NOTIC	ES AND REPOR	TS C	N WEL	LS		NDIAN, ALLÖTTEE OR TRIBE NAME:
Do	not use this form for proposals to drill n drill horizontal le	ew wells, signii sterals. Use Af	ficantly deepen existing wells below	v current l	oottom-hole dep	th, reenter plugged wells, or to	7. UN \$66	T or CA AGREEMENT NAME:
	YPE OF WELL OIL WELL		SAS WELL OTHE				8. WE	LL NAME and NUMBER:
	AME OF OPERATOR							NUMBER:
	JESTAR EXPLORATIO	N AND P	RODUCTION COMP	ANY		PHONE NUMBER:		IChed ELD AND POOL, OR WILDCAT:
10	50 17th Street Suite 500 Gir	Denver	STATE CO	<sub>ZIP</sub> 802	265	(303) 308-3068		LED AND FOOL, OR WILDOW!
	OCATION OF WELL OOTAGES AT SURFACE: attach	ed					COUN	ту: Uintah
Q	TR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN	4:				STATE	: UTAH
11.	CHECK APP	ROPRIAT	E BOXES TO INDIC	ATE I	NATURE	OF NOTICE, REP	ORT, O	R OTHER DATA
	TYPE OF SUBMISSION				Т	YPE OF ACTION		
Z	NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	CASIN	ZE R CASING IG REPAIR GE TO PREVIOUS PLANS		DEEPEN FRACTURE NEW CONS OPERATOR	TRUCTION		REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
	SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	CHAN	GE TUBING GE WELL NAME GE WELL STATUS MINGLE PRODUCING FORMATION	us [	RECLAMATI	ON (START/RESUME) ON OF WELL SITE		WATER DISPOSAL WATER SHUT-OFF OTHER: Operator Name Change
12.	DECORPOR DECORPOR AT 44	<u> </u>	ERT WELL TYPE	<u> </u>		TE - DIFFERENT FORMATIO		Onlinge
Eff AN cha on Fe Uta Fe Cu atta	rective January 1, 2007 of ID PRODUCTION COM ange of operator is involute attached list. All operator Bond Number: 96 ah State Bond Number: e Land Bond Number: prent operator of record, ached list.	operator (IPANY. 1) IVed. The perations (5002976) 9650030 (9650030), QEP UII	of record, QEP Uinta This name change inverse same employees with will continue to be co (BLM Reference No.) 33 033 NTA BASIN, INC, he STAR EXPLORATIO roperties as describe	Basin volves Il cont vered ESB reby r lay B. N ANI d on t	esigns as Neese, E	hereafter be known ternal corporate no e responsible for on humbers: operator of the pro- executive Vice Pre- executive Vice Pre-	n as Quame ch peration operties sident, Q Y, herel	as of the properties described as described on the QEP Uinta Basin, Inc. by assumes all rights, duties
	<b></b>			wues!	aı Explor			
NAM	(PLEASE PRINT) Debrá K. S	tanberry	2 /		TITLE	Supervisor, Reg	gulatory	Affairs
SIGN	ATURE /	5	Sporterny		DATE	3/16/2007		
his sp	ace for State use only)				******			

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#### FORM 9

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

	DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
SUNDRY	NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
Do not use this form for proposals to drill ne drill horizontal late	www.ells, significantly deepen existing wells below current bottom-hole depth, reenter plugged well erals Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: SOE attached
1 TYPE OF WELL OIL WELL	GAS WELL OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:		see attached  9. API NUMBER:
QUESTAR EXPLORATION 3 ADDRESS OF OPERATOR	N AND PRODUCTION COMPANY	attached
	Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-30	10. FIELD AND POOL, OR WILDCAT:
4 LOCATION OF WELL FOOTAGES AT SURFACE attache	_	соимту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	DE, MERIDIAN:	STATE: UTAH
11. CHECK APPR	OPRIATE BOXES TO INDICATE NATURE OF NOTICE, F	REPORT OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
PER THE ATTACHED LIST	ACIDIZE DEEPEN  ALTER CASING FRACTURE TREAT  CASING REPAIR NEW CONSTRUCTION  CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  CHANGE TUBING PLUG AND ABANDON  CHANGE WELL NAME PLUG BACK  CHANGE WELL STATUS PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORM  APLETED OPERATIONS. Clearly show all pertinent details including dates, depths  TOF WELLS, QUESTAR EXPLORATION AND PRODUCT BE UPDATED IN YOUR RECORDS.	, volumes, etc.

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### United States Department of the Interior

# BUREAU OF LAND MANAGEMENT Utah State Office

P.O. Box 45155 Salt Lake City, UT 84145-0155



IN REPLY REFER TO 3180 UT-922

April 23, 2007

Questar Exploration and Production Company 1050 17th Street, Suite 500 Denver, Colorado 80265

Re:

Red Wash Unit Uintah County, Utah

#### Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble Acting Chief, Branch of Fluid Minerals

**Enclosure** 

bcc:

Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining

File - Red Wash Unit (w/enclosure)

Agr. Sec. Chron Reading File Central Files

UT922:TAThompson:tt:4/23/07

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DIV. OF OIL, GAS & MINING

# Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

(for state use only)

ROUTING	
CDW	

Change of Operator (Well Sold)				X - (	Operator	Name Chan	πe			
The operator of the well(s) listed below has changed, effective:				X - Operator Name Change 6/14/2010						
FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265			TO: (New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265							
Phone: 1 (303) 308-3048				Phone: 1 (303)	308-3048					
CA No.	CA No.			Unit: RED V			VACU			
WELL NAME		TWN	RNG	API NO		LEASE TYPE	WELL	WELL		
SEE ATTACHED					NO		TYPE	STATUS		
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was 2. (R649-8-10) Sundry or legal documentation was	ıs rece	eived fr	om the	FORMER open	rator on:	6/28/2010				
3. The new company was checked on the <b>Depart</b>	nent d	of Com	merce.	Division of Co	unorations	6/28/2010		C/24/2010		
4a. Is the new operator registered in the State of U	tah:		В	Business Number	:	764611-0143		6/24/2010		
<ul> <li>5a. (R649-9-2)Waste Management Plan has been re</li> <li>5b. Inspections of LA PA state/fee well sites complete. Reports current for Production/Disposition &amp; S</li> <li>6. Federal and Indian Lease Wells: The BL</li> </ul>	ete or undrie M and	n: es on: d or the	BIA h	Requested n/a ok as approved the	merger, nar	ne change,				
or operator change for all wells listed on Federa 7. Federal and Indian Units:	il or Ii	ndian le	eases of	n: _	BLM	8/16/2010	BIA	not yet		
The BLM or BIA has approved the successor  8. Federal and Indian Communization Agr  The BLM or BIA has approved the operator f	r <b>eem</b> or all	<b>ents ('</b> wells li	'CA") isted wi	: ithin a CA on:	-	8/16/2010 N/A				
9. Underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery un	) DIV	/ISIOn	nas ap	proved UIC Fo	rm 5 Tran					
DATA ENTRY:	ıı/proj	ect 101	uie wai	ier disposai well	(s) listed on	i:	6/29/2010			
1. Changes entered in the Oil and Gas Database on:  2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3. Bond information entered in RBDMS on: 4. Fee/State wells attached to bond in RBDMS on: 5. Injection Projects to new operator in RBDMS on: 6. Receipt of Acceptance of Drilling Procedures for APD/New on:  6/30/2010  6/30/2010  6/30/2010  6/30/2010										
BOND VERIFICATION:	ı Arı	J/New	on:		n/a					
<ol> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any state/fee</li> <li>The FORMER operator has requested a release</li> <li>LEASE INTEREST OWNER NOTIFICA</li> </ol>	of lia	bility f DN:	rom the	eir bond on:	n/a	965010695				
4. (R649-2-10) The NEW operator of the fee wells of their responsibility to notify all interest owners COMMENTS:	has be	en con is chan	tacted a	and informed by	a letter from	n the Division				
					·					

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OU. GAS AND MINING

	5. LEASE DESIGNATION AND SERIAL NUMBER See attached			
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached			
Do not use this form for proposals to drill	7. UNIT or CA AGREEMENT NAME:			
1 TYPE OF WELL OIL WELL	See attached  8. WELL NAME and NUMBER:			
2 NAME OF OPERATOR:	See attached			
Questar Exploration and	Production Company N5	1085		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500	Denver STATE CO	<sub>12</sub> 80265	PHONE NUMBER: (303) 672-6900	10. FIELD AND POOL, OR WILDCAT: See attached
4. LOCATION OF WELL			1 (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
FOOTAGES AT SURFACE: See a	Ittached			соинту: Attached
QTR/QTR, SECTION, TOWNSHIP, RAI	NGE, MERIDIAN:			STATE:
11 CHECK APP	ROPRIATE BOYES TO INDICA	TE NATURE	OF NOTICE DECO	UTAH
TYPE OF SUBMISSION	ROPRIATE BOXES TO INDICA		OF NOTICE, REPO	RT, OR OTHER DATA
✓ NOTICE OF INTENT	ACIDIZE	DEEPEN	TPE OF ACTION	D DESCRIPTION OF CHICAGO
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	REPERFORATE CURRENT FORMATION
Approximate date work will start:	CASING REPAIR	NEW CONST		SIDETRACK TO REPAIR WELL
6/14/2010	CHANGE TO PREVIOUS PLANS	OPERATOR		TEMPORARILY ABANDON
	CHANGE TUBING	PLUG AND A	-	TUBING REPAIR
SUBSEQUENT REPORT	CHANGE WELL NAME	_		VENT OR FLARE
(Submit Original Form Only)	CHANGE WELL STATUS	PLUG BACK		WATER DISPOSAL
Date of work completion:			N (START/RESUME)	WATER SHUT-OFF
•	COMMINGLE PRODUCING FORMATIONS		ON OF WELL SITE	✓ other: Operator Name
	CONVERT WELL TYPE	<del></del>	TE - DIFFERENT FORMATION	Change
12 DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all	pertinent details incl	luding dates, depths, volume	es, etc.
employees will continue to continue to be covered by Federal Bond Number: 96 Utah State Bond Number: Fee Land Bond Number: 7994 The attached document is	be responsible for operations of bond numbers: $65002976$ (BLM Reference No. E $\frac{965003033}{965003033}$ ) $\frac{965003033}{965003033}$ ) $\frac{965003033}{965003033}$	and no third partie the propertie ESB000024)	s described on the a	ittached list. All operations will
NAME (PLEASE PRINT)  MORGAN AN	derson And ona	TITLE	Regulatory Affairs	Analyst
		DATE		
nis space for State use only)	RECEIVED		ADDO	A Landina

(5/2000)

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

JUN 2 8 2010

APPROVED 61301 2009
Carley Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

# Questar Exploration Production Company (N5085) to QEP Energy Company (N3700) RED WASH effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral	type	stat	C
						lease			
RW 12-16B	16	070S	230E	4304715177	5670	State	OW	P	
RW 41-16B	16	070S	230E	4304715292	5670	State	OW	P	
RW 14-16B	16	070S	230E	4304732785	5670	State	OW	P	
RW 34-16B	16	070S	230E	4304732786	5670	State	OW	P	
RW 23-16B	16	070S	230E	4304733084	5670	State	D	PA	
RWU 21W-36A	36	070S	220E	4304733730		State	GW	LA	
RWU 21G-36A	36	070S	220E	4304733731		State	OW	LA	
RWU 41-36A	36	070S	220E	4304733732		State	OW	LA	
RWU 43-16B	16	070S	230E	4304733733		State	OW	LA	
RWU 21-16B	16	070S	230E	4304733734		State	OW	LA	
RWU 11-36A	36	070S	220E	4304733736		State	OW	LA	
RWU 13-36A	36	070S	220E	4304733737		State	OW	LA	
RW 32G-16C	16	070S	240E	4304735238	5670	State	GW	P	
RW 14-36AMU	36	070S	220E	4304736721		State	GW	LA	
RW 01-36BG	36	070S	230E	4304736887	5670	State	OW	P	
RW 24-16BG	16	070S	230E	4304737746	5670	State	OW	P	
RW 12-32BG	32	070S	230E	4304737946	15841	State	GW	P	
RW 23-32BD	32	070S	230E	4304739182		State	GW	APD	C
RW 21-32BW	32	070S	230E	4304739183		State	GW	APD	C

Bonds: BLM = ESB000024 BIA = 956010693 State = 965010695



### **United States Department of the Interior**



#### BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov/ut/st/en.html

IN REPLY REFER TO: 3100 (UT-922)

JUL 2 8 2010

Memorandum

To:

Vernal Field Office, Price Field Office, Moab Field Office Roja L Bankert

From:

Chief, Branch of Minerals

Subject:

Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from Questar Exploration and Production Company into QEP Energy Company is effective June 8, 2010.

cc:

MMS

UDOGM

AUG 1 6 2010